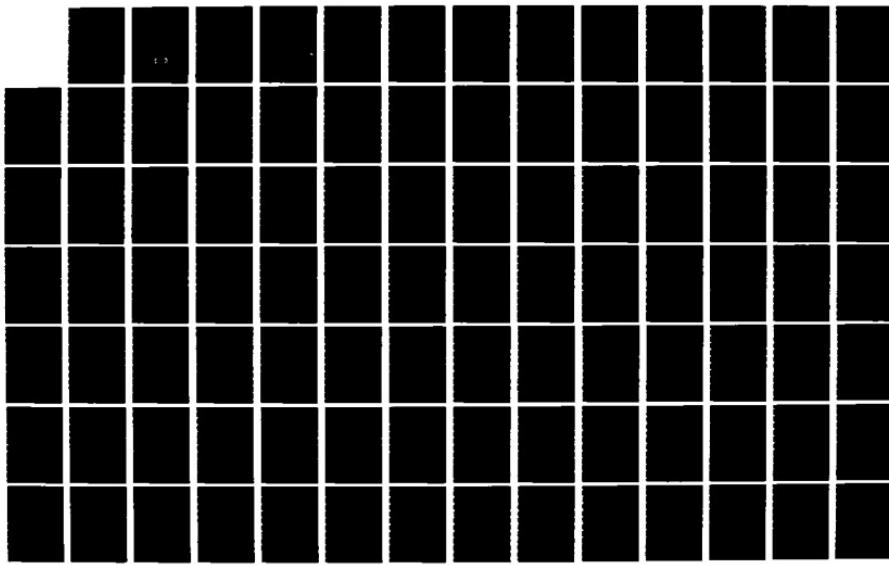


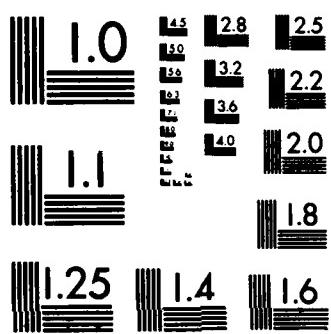
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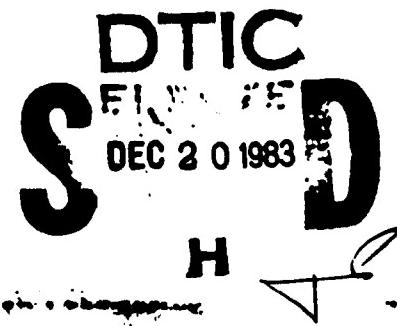
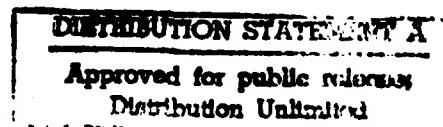
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# US Military Aircraft Cost Handbook

March 1983



MANAGEMENT CONSULTING & RESEARCH, INC.

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# MANAGEMENT CONSULTING & RESEARCH, INC.

TR-8203-1

## US MILITARY AIRCRAFT COST HANDBOOK



By

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## PREFACE

The Analytic Sciences Corporation (TASC), under contract to the Director of Net Assessment, Office of the Secretary of Defense (OSD/NA), MDA903-78-C-0294, has developed a method for assessing comparative tactical aviation modernization. That methodology is called TASCFORM-AIR.

Management Consulting & Research, Inc. (MCR), under subcontract to assist in this effort, has developed the US Military Aircraft Cost Handbook. The data contained in the handbook are based on the annual Total Obligational Authority (TOA) flyaway costs for a large number of aircraft programs. These aircraft cost data have been used as the basis for integrating cost-performance relationships into the TASCFORM-AIR methodology.

The handbook was originally published in June 1981 as the US Tactical Aircraft Cost Handbook. Since that time, it has been updated and expanded. This edition was produced as part of the current TASC/MCR effort for OSD Net Assessment to build on the earlier cost-performance work conducted for that office.

Any comments or suggestions for improving the contents or the utility of the handbook would be greatly appreciated.

## ACKNOWLEDGEMENTS

The authors wish to thank the following individuals for contributing their time and expertise to this effort. Without their assistance, development of the original and this revised edition of the handbook would have been more difficult and less complete.

From the Naval Air Systems Command, Mr. Thomas Gilbride was extremely helpful in making historical Navy budget data available and discussing various aspects of changes in Navy aircraft procurement programs.

Mrs. Barbara Rizzuto and Mrs. Linda Lucas, from the Office of the Comptroller of the Air Force, were instrumental in providing historical Air Force budget data for this effort.

In the Office of the Comptroller for the US Army Troop Support and Aviation Materiel Readiness Command, Mr. John Gargaro and Mr. Joseph Gallucci coordinated the data collection effort for the Army attack helicopters.

From The Analytic Sciences Corporation (TASC), Mr. John Underwood and Mr. Leonard Sullivan, Jr., made significant contributions to the scope and content of the handbook.

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**LIST OF EXHIBITS (CONT'D)**

## I. INTRODUCTION

This section describes the background, overview and organization of the US Military Aircraft Cost Handbook.

### A. BACKGROUND

Management Consulting & Research, Inc. (MCR) under subcontract to the Analytic Sciences Corporation (TASC), examined methods for integrating measures of cost into the TASCFORM-AIR methodology.<sup>1/</sup> This work resulted in a feasibility study of developing consistent measures of cost to be used with the TASCFORM-AIR measures of performance.<sup>2/</sup> As a direct result of the feasibility study, the US Tactical Aircraft Cost Handbook was developed.<sup>3/</sup> From the data contained in the original handbook, TASC was able to achieve its goal of integrating cost into the TASCFORM-AIR methodology.

The MCR portion of the work was concluded in the summer of 1981. A year later, continued interest in the TASCFORM-AIR results suggested that an update and expansion of the original handbook would be useful. This edition of the handbook, retitled US Military Aircraft Cost Handbook, is the result of that effort.

- 1/ The TASCFORM-AIR Model: A Technique for Assessing Comparative Force Modernization in Tactical Aviation, Volume I: Methodology Development, TR-1334-3, The Analytic Sciences Corporation, 1 February 1980.
- 2/ Task IA Report: Feasibility Study for Integrating a Cost Methodology into the TASCFORM-AIR Model, TR-8007-1R, Management Consulting & Research, Inc., 18 November 1980.
- 3/ US Tactical Aircraft Cost Handbook, Volume I: Preliminary Analysis, Volume II: Data, TR-8007-2R, Management Consulting & Research, Inc., 15 June 1981.

B. OVERVIEW OF THE HANDBOOK

This subsection describes how the handbook was developed and discusses some potential applications.

1. Handbook Development

The aircraft contained in this handbook fall into five major categories:

- attack aircraft,
- fighter aircraft,
- bombers,
- attack helicopters, and
- patrol aircraft.

To obtain cost data for these aircraft, the Office of the Director, Net Assessment (OSD/NA) requested Service assistance in providing the data for this effort. The Air Force and the Navy made their historical cost data available to the MCR data collection team; the Army responded to the data request by completing a set of data forms provided to them. Thus, the data contained in this handbook are based on historical Service data.

The Services provided, when possible, the following types of cost information for each Mission/Design/Series aircraft of interest:

- the annual Total Obligational Authority (TOA) in then-year (current) dollars;
- the procurement quantities associated with those annual TOA dollars; and

- a breakout of the TOA dollars for each aircraft by the major categories of:
  - airframe,
  - engines,
  - electronics,
  - armament, and
  - other.

Once the Service data were in hand, some adjustments were necessary to ensure consistency. Of particular note is the normalization of costs to a constant fiscal year base (FY81). The indices used in this normalization process are described in detail in Appendix A to the handbook; the appendix is an extraction from a standard MCR publication.

## 2. Applications

The applications for the cost data contained in this handbook are many. Examples are:

- comparing aircraft program budget costs,
- developing cost-quantity relationships, and
- examining cost relationships in conjunction with aircraft performance.

The initial objective of developing this handbook was to provide a consistent set of cost measures that could be used with aircraft performance measures derived from TASCFORM-AIR. The TASCFORM-AIR model is designed to measure the force performance of tactical aircraft. The TASCFORM-AIR measures are relative measures of the capability of tactical aircraft forces, based

on the physical, performance, availability, and employment characteristics of the aircraft. This handbook provides a consistent set of investment (flyaway) cost data that can be used with the TASCFORM-AIR methodology.

The data has had other applications as well and it is hoped that the handbook will continue to be a useful tool for aircraft analyses in which flyaway cost measures are addressed.<sup>4/</sup>

#### C. ORGANIZATION OF THE HANDBOOK

Following this introduction are three major sections and two appendices:

- Section II deals with the data collection effort undertaken by MCR to assemble the raw cost and physical and performance data for the aircraft of interest.
- Section III describes how the data were organized and adjusted to create the cost data base contained in Section IV.
- Section IV contains the aircraft cost data collected, displayed in then-year and constant FY81 dollars, with unit and cumulative average cost calculations.

Appendix A contains a more thorough discussion of the use of defense economic indices and associated limitations when normalizing cost data. Appendix B lists references used in developing the handbook.

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<sup>4/</sup> For example, see RTD&E and Flyaway Cost-Estimating Relationships for Fighter/Attack Aircraft, CAG Technical Memorandum No. 36., Institute for Defense Analyses, July 1982.

## II. DATA COLLECTION

This section addresses the aircraft data collected for this handbook. Two types of data were of interest: (1) physical and performance characteristics, and (2) cost data. The collection of these types of data is discussed below.

Before data could be collected, however, the aircraft of interest had to be identified. The TASC report on the TASCFORM-AIR model identified US Air Force, Navy, Marine Corps, and Army aircraft.<sup>5/</sup> These aircraft are combat-oriented and were in the active US inventory in the FY 1960-1980 period. Not included, therefore, were trainers, reconnaissance, or electronic warfare variants or those aircraft produced for foreign military sales (FMS). The aircraft included the following types:

- attack aircraft,
- fighter aircraft,
- tactical bombers, and
- attack helicopters.

Exhibit II-1, on the following page, is taken from that early TASC report and shows the aircraft of original interest. Some aircraft are identified only by Mission/Design or Type/Model (e.g., F-84) while others are identified by Mission/Design/Series or Type/Model/Series (e.g., A-7D).<sup>6/</sup> For this revised edition

<sup>5/</sup>The TASCFORM-AIR Model, TR-1334-3, The Analytic Sciences Corporation, 1 February 1980.

<sup>6/</sup>The USAF and the Army use the term Mission/Design/Series (M/D/S) to designate aircraft while the USN uses the term Type/Model/Series (T/M/S) to designate aircraft. Because the greater number of USAF/USA aircraft are represented in the handbook, Mission/Design/Series (M/D/S) is used generically for all aircraft.

	AIR-TO-GROUND			ATTACK HELICOPTER			AIR-TO-AIR	
	CLOSE AIR SUPPORT	INTERDICTION	HELICOPTER	FIGHTER		INTERCEPTOR		
	F-84 F-86 F-100 S A F F-4C/D F-4E	F-16 A-7D A-37 A-10 F-105 F-111 F-4C/D F-4E	B-57 B-66 F-84 F-100 F-101 F-104 F-105 F-111	F-4C/D F-4E F-16 A-7D	F-86 F-100 F-104 F-4C/D F-15A F-15C F-16	F-86 F-89 F-101 F-102 F-104 F-106 F-4C/D F-4E	F-15A F-15C F-16	
U S A F U S N / M C A R M Y	A-1 A-4 A-4M A-6A A-6E A-7 A-7E	AV-8A FJ F-9 F-8 F-4B/N F-4J F/A-18 F/A-18	A-3 A-4 A-4M A-6A A-6E A-7 A-7E	F-4B/N F-4J F-4S F/A-18	AH-1J AH-1T	FJ F-9 F-14A F/A-18 F-8 F-6 F-11 F-4B/N F-4J	F-4S F-14A F/A-18 F-6 F-4B/N F-4J F-4S F-14A	F-2 F-3 F-6 F-4B/N F-4J F-4S F-14A

SOURCE: The TASCFORM-AIR Model, TR-1334-3, The Analytic Sciences Corporation, 1 February 1980.

Exhibit II-1. US AIRCRAFT OF INTEREST CATEGORIZED BY TASCFORM-AIR SUB-MISSIONS AND ROLES

of the handbook, several additional aircraft (bomber and patrol) have been included.

To collect consistent data for these aircraft, a Mission/Design/Series (M/D/S) level of detail was required. Research showed that many M/D/S aircraft were (1) not produced, (2) produced only as Research and Development (R&D) aircraft, (3) produced only for Foreign Military Sales (FMS), or (4) converted from other series. Reference to Jane's All the World's Aircraft or to aircraft production acceptance figures maintained by the Office of the Assistant Secretary of Defense (Program Analysis and Evaluation) allowed these M/D/S aircraft to be identified and eliminated. Exhibit II-2 shows the M/D/S that were eliminated and the reasons for elimination.

The list of aircraft for which data were collected is shown on Exhibit II-3. Data for these aircraft are contained in Section IV. While 49 aircraft (M/D or M/D/S) were identified in Exhibit II-1, data were actually collected for 108 aircraft. The data collection is described below.

#### A. PHYSICAL AND PERFORMANCE DATA

The physical and performance data collected for the aircraft were limited in number. Given that the primary objective of the data collection effort was to produce a consistent set of cost data to relate to TASCFORM-AIR performance measures, collecting detailed physical and performance data was not warranted at this time. However, the preliminary data collected sets the

M/D/S ELIMINATED	REASON	SOURCE
A-3C	NONE BUILT	J
A-4D	NONE BUILT	A
A-4G	FMS	A
A-4H	FMS	A
A-4I	NONE BUILT	J
A-4J	ONLY TA-4J BUILT	J
A-4K	FMS	A
A-4N	FMS	A
A-4O	NONE BUILT	J
A-4R	NONE BUILT	J
A-4S	ONLY TA-4S BUILT	J
A-6B	PRODUCED AS EA-6B	A
A-6C	NONE BUILT	A
A-6D	PRODUCED AS KA-6D	J
A-7C	A-7E <sub>s</sub> WITH TF-30 ENGINES WERE REDESIGNATED A-7C	J
A-7F	NONE BUILT	J
A-7G	NONE BUILT	J
A-7H	FMS	J
A-7I	NONE BUILT	J
A-7K	30 ORDERED FOR ANG	J
A-7P	FMS	J
A-37A	ONLY TA-37As BUILT	J
AV-8B	INITIAL DELIVERIES FY83; IOC FY85	J
B-47A	10 BUILT AND ASSIGNED TO TEST ORGANIZATIONS	J
B-47C	1 YB-47C BUILT	J
B-47D	XB-47D CONCEPT; NEVER BUILT	J
B-52A	3 BUILT ONLY PARTIALLY EQUIPPED; FLIGHT TEST ONLY	J
B-57D	NONE BUILT	A
F-4F	FMS	A
F-4G	MOD OF F-4B, F-4E	J
F-4H	NONE BUILT	J
F-4I	NONE BUILT	J
F-4K	FMS	J
F-4L	NONE BUILT	J
F-4M	FMS	J
F-4S	PLANNED MOD OF F-4J	J
F-5A	FMS	J
F-5B	FMS	J
F-5C	NONE BUILT IN US	J
F-5D	NONE BUILT IN US	J
F-5E	FMS; USAF AGGRESSOR SQUADRONS	J
F-5F	FMS	J
F-84A	NOT IN INVENTORY IN 1960	J
F-84B	NOT IN INVENTORY IN 1960	J
F-84C	NOT IN INVENTORY IN 1960	J
F-84D	NOT IN INVENTORY IN 1960	J
F-84E	NOT IN INVENTORY IN 1960	J
F-86L	MOD OF F-86D	J
F-100B	NONE BUILT	J
F-100E	NONE BUILT	J
F-102B	MOD OF F-102A	J
F-104DJ	FMS	J
F-104F	FMS	J
F-104G	FMS	J
F-104J	FMS	J
F-104N	FMS	J
F-104S	FMS	J
F-105A	2 YF-105A BUILT	J
F-111C	FMS	J

J = Jane's, See Reference 6.

A = Acceptance Rates and Tooling Capacity for Selected Military Aircraft, See Reference 1.

Exhibit II-2. M/D/S AIRCRAFT NOT INCLUDED IN THE HANDBOOK

1.	A-1E	23.	AH-1S	45.	F-2C	67.	F-15A	89.	F-104C
2.	A-1G	24.	AH-1T	46.	F-2D	68.	F-16A	90.	F-104D
3.	A-1H	25.	AV-8A	47.	F-3A	69.	F/A-18A	91.	F-105B
4.	A-1J	26.	B-47B	48.	F-3B	70.	F-84F	92.	F-105D
5.	A-3A	27.	B-47E	49.	F-3C	71.	F-84G	93.	F-105F
6.	A-3B	28.	B-52B	50.	F-4A	72.	F-86D	94.	F-106A
7.	A-4A	29.	B-52C	51.	F-4B	73.	F-86E	95.	F-106B
8.	A-4B	30.	B-52D	52.	F-4C	74.	F-86F	96.	F-111A
9.	A-4C	31.	B-52E	53.	F-4D	75.	F-86H	97.	F-111B
10.	A-4E	32.	B-52F	54.	F-4E	76.	F-89C	98.	F-111D
11.	A-4F	33.	B-52G	55.	F-4J	77.	F-89D	99.	F-111E
12.	A-4M	34.	B-52H	56.	F-6A	78.	F-89H	100.	F-111F
13.	A-6A	35.	B-57A	57.	F-8A	79.	F-100A	101.	FB-111A
14.	A-6E	36.	B-57B	58.	F-8B	80.	F-100C	102.	P-2E
15.	A-7A	37.	B-57C	59.	F-8C	81.	F-100D	103.	P-2F
16.	A-7B	38.	B-57E	60.	F-8D	82.	F-100F	104.	P-2H
17.	A-7D	39.	B-66B	61.	F-8E	83.	F-101A	105.	P-3A
18.	A-7E	40.	F-1B (FJ-2)	62.	F-9F	84.	F-101B	106.	P-3B
19.	A-10A	41.	F-1C (FJ-3)	63.	F-9H	85.	F-101C	107.	P-3C
20.	A-37B	42.	MF-1C (FJ-3M)	64.	F-9J	86.	F-102A	108.	S-3A
21.	AH-1G	43.	F-1E (FJ-4)	65.	F-11A	87.	F-104A		
22.	AH-1J	44.	AF-1E (FJ-4B)	66.	F-14A	88.	F-104B		

stage for future expansion of the handbook. These data are displayed in Section IV in the following categories:

- Manufacturer,
- Wing Type (Fixed/Rotary),
- Aircraft Type (CTOL/VSTOL/STOL/Other),
- TASCFORM-AIR Airframe Performance (AP),
- TASCFORM-AIR Aircraft System Performance (ASP),
- Engine Designator,
- Number of Engines, and
- Service.

The physical characteristics data for all aircraft were obtained from unclassified sources, primarily Jane's All the World's Aircraft. In the case of several US Air Force aircraft, "Standard Aircraft Characteristics Charts" were used.

The values for Airframe Performance (AP) and Aircraft System Performance (ASP) were obtained directly from TASC. The methodology used to derive AP and ASP is described in detail in the TASCFORM-AIR methodology development report.<sup>7/</sup>

#### B. COST DATA

The objective of the cost data collection effort was to obtain sufficient information to produce a consistent set of historical cost data for the aircraft of interest. Initially, MCR hoped to collect the following data:

<sup>7/</sup>The TASCFORM-AIR Model, TR-I334-3, The Analytic Sciences Corporation, 1 February 1980.

- the production lot quantities by M/D/S aircraft by fiscal year;
- associated then-year Total Obligational Authority (TOA) costs of new procurements, modifications, and conversions;
- a breakout of the costs by major subsystem (airframe, engines, electronics, armament, and other);
- the research and development costs associated with each aircraft program; and
- some measure of aircraft operating and support costs.

These data were to be obtained directly from the Services.

After initial discussions with the Service contacts, it became clear that some of the data could not reasonably be collected. Historical research and development costs, modification and conversion costs, and operating and support costs were not readily available from Service records. Consequently, the list of data to be collected was modified. The actual data collection effort focused on obtaining:

- the total production quantities by fiscal year for the M/D/S aircraft of interest;
- the total flyaway costs (TOA) by fiscal year associated with the production quantities; and
- the breakout of total flyaway cost into airframe, engines, electronics, armament, and other, where possible.

The collection of data from each Service is described below.

1. US Air Force

Air Force aircraft cost data were obtained from the Cost Analysis Division within the Directorate of Cost and Management Analysis, Office of the Comptroller of the Air Force. Data

for most of the M/D/S aircraft are maintained in historical summary records exactly as required. The historical records reflect aircraft production quantities and flyaway costs by M/D/S broken out by subsystem, in TOA dollars, by fiscal year. The only difference in cost reporting is that the Air Force uses the term "ordnance" which corresponds to the term "armament" in this handbook.

For certain aircraft, however, cost data had not been accumulated or were not complete in the summary records. In these instances, Air Force direction and guidance were provided enabling MCR to research secondary sources (e.g., aircraft budget estimates). Exhibit II-4 displays the USAF tactical aircraft for which secondary sources of cost data were used.

Cost data remains incomplete for seven USAF aircraft contained in this handbook: F-105D, F-105F, F-111A, F-111D, F-111E, FB-111A and F-4C. No source of cost data, broken out by major subsystem and consistent with the other USAF data, was discovered for these aircraft during the data collection effort. However, total flyaway cost data were available for all USAF aircraft.

Nonrecurring costs were reported separately for both the A-10A, F-15A, and F-16A aircraft. There is no way, other than by estimate, to distribute nonrecurring costs among the various cost categories. A detailed discussion of nonrecurring costs is presented in the next subsection on US Navy and Marine Corps aircraft. The A-10A, F-15A, and F-16A nonrecurring cost data are included in an exhibit referenced in that subsection (Exhibit II-6).

T/M/S	FY	COST ELEMENTS MISSING FROM USAF SUMMARY RECORDS*	SECONDARY SOURCE USED
F-101B	57 58 59	A,O EX,A,O EX,A,O	Aircraft Budget Estimate -- MCP Form 180H Aircraft Budget Estimate -- MCP Form 180H Budget Planning and Budget Estimate for Weapon System -- AMC Form 189
F-105B	55	E,EX,A,O	Aircraft Budget Estimate -- MCP Form 180H
F-105D	58 59 60 61 62	A,O EX,A,O EX,A,O E,EX,A,O E,EX,A,O	Budget Planning and Budget Estimate for Weapon Systems -- AMC Form 189 Budget Planning and Budget Estimate for Weapon Systems -- AMC Form 189 Budget Planning and Budget Estimate for Weapon Systems -- AMC Form 189 Data Not Available Data Not Available
F-105F	62 63	E,EX,A,O E,EX,A,O	Data Not Available Data Not Available
F-106A	57 58 59	A,O E,EX,A,O E,EX,A,O	Aircraft Budget Estimate -- MCP Form 180H Aircraft Budget Estimate -- MCP Form 180H Aircraft Budget Estimate -- MCP Form 180H
F-106B	58 59	E,EX,A,O EX,A,O	Aircraft Budget Estimate -- MCP Form 180H Aircraft Budget Estimate -- MCP Form 180H
F-111A	65 66 67	AF,E,EX,A,O AF,E,EX,A,O AF,E,EX,A,O	Data Not Available Data Not Available Data Not Available
F-111D	68 69 70	AF,E,EX,A,O AF,E,EX,A,O AF,E,EX,A,O	Data Not Available Data Not Available Data Not Available
F-111E	67 68	AF,E,EX,A,O AF,E,EX,A,O	Data Not Available Data Not Available
F-4C	62 63 64	AF,E,EX,A,O AF,E,EX,A,O AF,E,EX,A,O	Data Not Available Data Not Available Data Not Available
FB-111A	67 68 69	AF,E,EX,A,O AF,E,EX,A,O AF,E,EX,A,O	Data Not Available Data Not Available Data Not Available

\*NOTE: AF = Airframe, E = Engine, EX = Electronics, A = Armament, and O = Other.

Exhibit II-4. SECONDARY SOURCES FOR USAF AIRCRAFT COST DATA

2. US Navy and Marine Corps

Navy and Marine Corps aircraft cost data were obtained from the Cost Analysis Division within the Office of the Assistant Commander for Systems and Engineering, Naval Air Systems Command. All aircraft cost data were extracted from the official Navy budget exhibits for aircraft (Exhibit P5). Over time there have been changes in the level of detail appearing on Exhibit P5 for cost reporting. However, there have been no changes in definitions that would lead to inconsistencies between Navy and other Service data.

Exhibit II-5 depicts the evolution within the Navy of reporting categories used in this handbook. Two points about the changes shown on Exhibit II-5 should be made. First, for the period FY51-FY55, costs were reported as unit costs. This required multiplying the unit costs by the number of aircraft procured to produce the subsystem and total flyaway costs for those years. Second, beginning with FY69, nonrecurring costs were reported separately for the first time; previously these costs had been included in the other categories. Thus, Navy aircraft data from FY69 to the present are inconsistent with pre-FY69 data. There is no way to identify, other than estimation, where the nonrecurring costs should be categorized. For this edition of the handbook, these costs have only been included in the total flyaway costs; they have not been reported in the other categories. This nonrecurring cost categorization

HANDBOOK DATA CATEGORIES	P-5 FY 1951 - 1955 (PER UNIT COSTS)	P-5 FY 1956 - 1968	P-5 FY 1969 - 1982
AIRFRAME	TOTAL AIRFRAME	AIRFRAME AIRFRAME CHANGE ALLOWANCE	AIRFRAME AIRFRAME CHANGE ALLOWANCE
ENGINE	ENGINE ENGINE ACCESSORIES	ENGINE ENGINE ACCESSORIES	ENGINE ENGINE ACCESSORIES
ELECTRONICS	ELECTRONICS ELECTRICAL COMPONENTS	ELECTRONICS	ELECTRONICS
ARMAMENT	ARMAMENT	ARMAMENT	ARMAMENT
OTHER	INSTRUMENTS MECHANICAL COMPONENTS ORDNANCE	INSTRUMENTS A/C EQUIPMENT ORDNANCE	OTHER
TOTAL FLYAWAY	TOTAL FLYAWAY	TOTAL FLYAWAY	TOTAL FLYAWAY

problem exists for eleven of the Navy aircraft examined. Exhibit II-6 includes these aircraft and the nonrecurring costs by fiscal year. Further analysis is required to remedy this reporting/categorization problem in the data. Generally, most nonrecurring costs are associated with the airframe and therefore one solution, although imprecise, would be to assign the non-recurring costs to this category.

One other aspect of the Navy data collection effort was the change in aircraft designations. Exhibit II-7 is a cross-reference from former to current designations for the older Navy aircraft contained in Section IV. For some aircraft, we have identified them by the current and the older, more widely known, designation (e.g., F-1B (FJ-2)).

### 3. US Army

Army aircraft cost data were obtained from the Office of the Comptroller, US Army Troop Support and Aviation Materiel Readiness Command (TSARCOM). These data (for attack helicopters only) were assembled at TSARCOM from historical Army budget documents and transmitted to MCR for inclusion in the handbook.

The same problem encountered with the Navy data, recurring versus nonrecurring costs, is also present with the Army data. Therefore, until a satisfactory method can be devised for assigning the nonrecurring costs to the subsystems, these costs have been included only in the total flyaway cost category. The nonrecurring costs for the AH-1S are also included in Exhibit II-6.

M/D/S	FISCAL YEAR	TOTAL NONRECURRING COST (THEN-YEAR DOLLARS)
A-4M	70	8,833,000
	71	4,200,000
	74	2,150,000
A-6A	69	24,300,000
A-6E	73	6,032,000
	74	6,300,000
	76	7,600,000
	79	5,301,997
A-7E	70	200,000
	76	8,542,500
	77	2,144,400
A-10A	75	2,200,000
	76	22,800,000
	7T	9,400,000
	77	12,300,000
	78	6,700,000
	79	8,700,000
AH-1J	80	3,700,000
	69	835,000
	73	10,967,525
AH-1S	74	6,751,135
	75	4,574,000
	76	1,760,000
AV-8A	78	2,936,000
	70	4,050,000
	71	5,760,000
F-4J	74	1,100,000
	69	600,000
F-14A	70	6,002,000
	71	26,800,000
	75	1,000,000
	7T	676,000
	77	7,461,338
	78	500,000
	79	10,054,000
	80	1,246,000
	81	15,495,000
	82	5,346,000

Exhibit II-6. AIRCRAFT WITH NONRECURRING COSTS REPORTED SEPARATELY

M/D/S	FISCAL YEAR	TOTAL NONRECURRING COST (THEN-YEAR DOLLARS)
F-15A	73	4,600,000
	74	24,200,000
	75	2,700,000
	76	20,900,000
	7T	9,400,000
	77	12,200,000
	78	7,400,000
	79	1,800,000
F-16A	78	94,100,000
	79	47,800,000
	80	81,300,000
	81	76,400,000
	82	43,700,000
F/A-18A	79	38,500,000
	80	63,758,000
	82	13,273,000
P-3C	69	4,356,000
	70	2,501,000
	71	10,792,000
	72	14,239,000
	73	5,378,000
	74	4,606,000
	75	3,407,000
	76	4,501,000
	77	5,000,000
	78	40,928,000
	79	8,415,000
	82	26,123,000
S-3A	72	43,265,000
	74	3,660,000
	75	3,162,000

Exhibit II-6. AIRCRAFT WITH NONRECURRING COSTS REPORTED SEPARATELY (CONT'D)

FORMER	CURRENT	FORMER	CURRENT
FJ-2	F-1B*	F9F-6	F-9F
FJ-3	F-1C*	F9F-7	F-9H
FJ-3M	MF-1C*	F9F-8	F-9J
FJ-4	F-1E*	F11F-1	F-11A
FJ-4B	AF-1E*	AD-5	A-1E
F2H-3	F-2C	AD-5N	A-1G
F2H-4	F-2D	AD-6	A-1H
F3H-1	F-3A	AD-7	A-1J
F3H-2	F-3B	A3D-1	A-3A
F3H-2N	F-3C	A3D-2	A-3B
F4H-1F	F-4A	A4D-1	A-4A
F4H-1	F-4B	A4D-2	A-4B
F4D-1	F-6A	A4D-2N	A-4C
F8U-1	F-8A	A4D-5	A-4E
F8U-1E	F-8B	A2F-1	A-6A
F8U-2	F-8C	P2V-5F	P-2E
F8U-2N	F-8D	P2V-6	P-2F
F8U-2NE	F-8E	P2V-7	P-2H

\*NOTE: The former designations are often used for these aircraft. To avoid confusion, these aircraft are labeled by both the former and current designations (e.g., F-1B(FJ-2)).

Exhibit II-7. CROSS-REFERENCE FOR NAVY AIRCRAFT DESIGNATIONS

#### 4. Combined Mission/Design/Series

For a number of aircraft within a Mission/Design, the TASCFORM-AIR methodology yields a single AP or ASP measure for several Mission/Design/Series (e.g., the same value for F-4A and F-4B). This occurs because small changes in performance between M/D/S cannot be measured by TASCFORM-AIR. Thus, the performance improvements made to the F-4B over the F-4A were sufficiently small that the TASCFORM-AIR methodology could not distinguish them.

The problem, then, was to combine cost data to develop one cost value for each performance figure of merit. The solution was to treat related M/D/S as belonging to a single cost-quantity curve, as discussed in Section III. The years of cost and quantity data for these M/D/S were put in chronological order. If two lots exist for a single fiscal year, as when two M/D/S were produced concurrently, the data are ordered alphabetically by series (e.g., the F-4A comes before the F-4B).<sup>8/</sup> The combined data were then processed exactly as the data for individual M/D/S. These combined data sets are also included in Section IV. Exhibit II-8 shows the complete list of individual and combined M/D/S included in Section IV.

The next section of the handbook discusses how the data assembled during the collection effort were incorporated into the data base contained in Section IV.

8/ This assumption may warrant further analysis; however, it is believed valid for TASCFORM-AIR cost-performance measurement purposes.

1.	A-1E	27.	AH-1J	53.	F/AF-1E (FJ-4/4B)	79.	F-9F/H	105.	F-104B
2.	A-1G	28.	AH-1S	54.	F-2C	80.	F-11A	106.	F-104C
3.	A-1H	29.	AH-1T	55.	F-2D	81.	F-14A	107.	F-104D
4.	A-1J	30.	AV-8A	56.	F-3A	82.	F-15A	108.	F-104A/B/C/D
5.	A-1E/G/H	31.	B-47B	57.	F-3B	83.	F-16A	109.	F-105B
6.	A-3A	32.	B-47E	58.	F-3C	84.	F/A-18A	110.	F-105D
7.	A-3B	33.	B-47B/E	59.	F-3A/B/C	85.	F-84F	111.	F-105F
8.	A-3A/B	34.	B-52B	60.	F-4A	86.	F-84G	112.	F-105B/D
9.	A-4A	35.	B-52C	61.	F-4B	87.	F-86D	113.	F-106A
10.	A-4B	36.	B-52D	62.	F-4C	88.	F-86E	114.	F-106B
11.	A-4C	37.	B-52E	63.	F-4D	89.	F-86F	115.	F-106A/B
12.	A-4E	38.	B-52F	64.	F-4E	90.	F-86H	116.	F-111A
13.	A-4F	39.	B-52G	65.	F-4J	91.	F-89C	117.	F-111B
14.	A-4M	40.	B-52H	66.	F-4A/B	92.	F-89D	118.	F-111D
15.	A-4A/B	41.	B-57A	67.	F-4C/D	93.	F-89H	119.	F-111E
16.	A-4E/F	42.	B-57B	68.	F-6A	94.	F-100A	120.	F-111F
17.	A-6A	43.	B-57C	69.	F-8A	95.	F-100C	121.	PB-111A
18.	A-6E	44.	B-57E	70.	F-8B	96.	F-100D	122.	P-2E
19.	A-7A	45.	B-57B/C/E	71.	F-8C	97.	F-100F	123.	P-2F
20.	A-7B	46.	B-66B	72.	F-8D	98.	F-100A/C	124.	P-2H
21.	A-7D	47.	F-1B(FJ-2)	73.	F-8E	99.	F-101A	125.	P-3A
22.	A-7E	48.	F-1C(FJ-3)	74.	F-8A/B/C	100.	F-101B	126.	P-3B
23.	A-7A/B	49.	MF-1C(FJ-3M)	75.	F-8D/E	101.	F-101C	127.	P-3C
24.	A-10A	50.	F-1E(FJ-4)	76.	F-9F	102.	F-101A/B/C	128.	S-3A
25.	A-37B	51.	AF-1E(FJ-4B)	77.	F-9H	103.	F-102A		
26.	AH-1G	52.	F-1B/C/MF-1C	78.	F-9J	104.	F-104A		

Exhibit II-8. INDIVIDUAL AND COMBINED M/D/S AIRCRAFT INCLUDED IN THE HANDBOOK (SECTION IV)

### III. DATA DISPLAYS

In the previous section, the data collection effort was described. In this section, the transformation of the collected data to produce Section IV is described. For each individual and combined Mission/Design/Series aircraft (e.g., F-4D or F-4C/D) reported in Section IV, the following data are displayed:

- a limited set of physical and performance characteristics;
- aircraft cost data presented in then-year Total Obligational Authority (TOA) and in constant FY81 dollars; and
- calculated unit and cumulative average costs for airframe, airframe and engines, and total flyaway cost (if sufficient information is available).

Each display is discussed below.

#### A. PHYSICAL AND PERFORMANCE DATA

The physical and performance data described in Section II.A were formatted for each M/D/S aircraft as shown in Exhibit III-1. Other physical and performance data can be entered on these formats at a later date. Suggested candidates for addition include:

- airframe weight,
- engine thrust,
- maximum speed,
- gross take-off weight, and
- year of initial operational capability (IOC).

#### B. COST DATA

Exhibit III-2 shows a sample cost sheet from Section IV. Each cost sheet contains four "blocks" of data. These are:

F-4D

**PHYSICAL AND PERFORMANCE  
CHARACTERISTICS**

MANUFACTURER:	MCDONNELL DOUGLAS
WING (FIXED/ROTARY):	FIXED
CTOL/VSTOL/STOL/OTHER:	CTOL
AIRFRAME PERFORMANCE:	10.00
AIRCRAFT SYSTEM PERFORMANCE:	10.07
ENGINE NUMBER:	J79-GE-15
NUMBER OF ENGINES:	2
SERVICE:	AIR FORCE

**Exhibit III-1. SAMPLE FORMAT OF AIRCRAFT  
PHYSICAL AND PERFORMANCE CHARACTERISTICS**

## F-4D

TOTAL OBLIGATIONAL AUTHORITY  
(MILLIONS OF THEN-YEAR DOLLARS)

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
64	52	76.652	16.611	10.735	0.000	.051	104.049
65	222	254.463	58.815	46.012	1.870	36.594	397.754
66	519	476.700	131.200	151.100	3.535	69.165	831.700

## MILLIONS OF CONSTANT FY81 DOLLARS

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
64	52	220.772	47.843	30.919	0.000	.147	299.680
65	222	691.288	159.780	124.999	5.080	99.413	1080.560
66	519	1226.396	337.555	388.732	9.094	177.939	2139.696
TOTAL	793	2138.455	545.158	544.649	14.175	277.499	3519.936

FISCAL YEAR LOT AVERAGE COSTS  
(MILLIONS OF CONSTANT FY81 DOLLARS)

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
64	52	4.246	.920	.595	0.000	.003	5.763
65	222	3.114	.720	.563	.023	.448	4.867
66	519	2.363	.650	.749	.018	.343	4.123
TOTAL	793	2.697	.687	.687	.018	.350	4.439

CUMULATIVE AVERAGE COSTS  
(MILLIONS OF CONSTANT FY81 DOLLARS)

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
64	52	4.246	.920	.595	0.000	.003	5.763
65	274	3.329	.758	.569	.019	.363	5.037
66	793	2.697	.687	.687	.018	.350	4.439

Exhibit III-2. SAMPLE FORMAT OF AIRCRAFT COST DATA

- cost data in then-year dollars;
- the same cost data normalized to constant FY81 dollars;
- the average costs for each fiscal year; and
- the cumulative average costs.

Each of the four data blocks are discussed in detail below.

1. Then-Year Cost Data

The first block of data contains the then-year cost data collected from the Services. Costs shown are Total Obligational Authority (TOA) dollars, which are the amounts budgeted in a specific fiscal year. TOA dollars do not reflect actual expenditures in any given fiscal year.

For each fiscal year, the number of aircraft budgeted is shown. The total flyaway cost for that quantity of aircraft is also shown. In addition, the following components of flyaway cost, corresponding to aircraft subsystems, are displayed. These are:

- airframe,
- engines,
- electronics,
- armament, and
- other.

In some of the displays, the total flyaway costs shown do not equal the sum of the costs of the component categories. This happens for two reasons:

- component costs were not available, and hence are shown as "0.000," but total flyaway costs were available; or
- nonrecurring costs are included in the total flyaway cost, but could not be assigned to the component categories.

Both of these data conditions were discussed previously in Section II.

### 2. Constant Fiscal Year Cost Data

The second block of data contains the costs in constant FY81 dollars. The conversion of historical TOA data to constant dollars is accomplished by dividing TOA by a composite or outlay-weighted index:

$$\text{Constant Dollars} = \frac{\text{TOA}}{\text{Composite Index}} \times 100$$

Each service has a unique composite index. The composite indices are based on the OASD Comptroller deflator for major commodity procurement and Service outlay profiles. The deflator series is adjusted to FY81 as the base year (i.e., FY81 has a deflator of 100.00 percent). The composite indices can then be used to calculate directly the constant FY81 dollars as indicated above. Multiplication by 100 is required since the index is expressed as a percentage. The deflators and composite indices are shown in Exhibit III-3, and discussed in detail in Appendix A.

### 3. Fiscal Year Lot Average Costs

The third block of data shows the average costs of the aircraft budgeted in each fiscal year. These numbers are

FISCAL YEAR	DoD OUTLAY- ESCALATION INDEX	COMPOSITE INDEXES <sup>2/</sup>		
		APN	APA	APAF
1945	16.73	18.96	20.37	19.49
1946	18.11	21.48	23.78	22.36
1947	18.84	25.25	26.59	25.99
1948	25.37	27.16	27.42	27.21
1949	27.77	27.61	28.26	27.90
1950	26.44	28.68	29.00	28.80
1951	29.03	29.13	29.11	29.19
1952	29.15	29.12	29.24	29.09
1953	28.91	29.46	30.09	29.80
1954	28.45	30.53	31.29	30.80
1955	30.34	31.79	32.64	32.17
1956	30.93	33.11	33.34	33.21
1957	33.62	33.36	33.10	33.28
1958	33.60	32.92	32.76	32.84
1959	33.06	32.69	32.77	32.68
1960	32.39	32.84	32.83	32.89
1961	33.00	32.79	32.63	32.68
1962	33.01	32.62	32.82	32.74
1963	31.93	33.06	33.68	33.30
1964	32.54	34.21	35.40	34.72
1965	32.88	36.25	37.57	36.81
1966	35.47	38.40	39.46	38.87
1967	37.75	40.13	40.98	40.51
1968	39.67	41.57	42.57	42.00
1969	40.73	43.30	44.51	43.82
1970	42.32	45.39	46.70	45.97
1971	44.28	47.70	49.33	48.41
1972	46.14	50.61	53.09	51.68
1973	48.38	57.41	58.02	56.17
1974	52.47	60.69	62.86	61.32
1975	58.44	64.83	66.98	66.06
1976	63.79	69.53	71.10	70.84
1977	65.80	77.33	76.67	74.54
1977	68.67	77.60	78.73	79.00
1978	73.57	85.45	87.05	86.77
1979	80.16	96.49	96.53	97.33
1980	89.62	106.54	107.62	106.30
1981	100.00	117.62	119.60	118.20
1982	114.30	126.36	128.40	126.32
1983	121.73	134.62	136.34	134.64
1984	130.12	143.06	144.80	143.08
1985	138.41	151.68	153.45	151.69
1986	146.87	160.60	162.45	160.59
1987	155.46	169.99	171.95	169.99
1988	164.55	179.94	182.01	179.93
1989	174.18	190.47	192.66	190.46

NOTES: 1/ Major commodity index excluding pay and fuel; from OASD(C) DoD Deflators (Outlays), dated 31 January 1983.

2/ Computed using individual service outlay profiles; see Appendix A.

### Exhibit III-3. DEPARTMENT OF DEFENSE DEFLATATORS - AIRCRAFT PROCUREMENT

are simple averages computed by dividing each fiscal year cost by the associated quantity. Note that engine, electronics, armament and other costs are per aircraft costs, and not per subsystem.

These averages do not necessarily correspond to production lots, since there may be several production lots in a single fiscal year. For this reason they are called "Fiscal Year Lot Average Costs," indicating that they are average costs for the entire fiscal year buy regardless of actual production lots. These costs are used in calculating the unit cost curves, discussed later in the subsection on cost-quantity relationships (Section III.C).

#### 4. Cumulative Average Costs

The final block of data contains cumulative average cost data for the cumulative average cost curves. For each fiscal year, the cumulative average costs shown are the average costs of all aircraft produced to date. Thus, the cumulative average for the first fiscal year is equal to the fiscal year average shown in the third block of data above. For the second fiscal year, the cumulative average cost is the sum of the costs (from the second data block) in the first and second fiscal years divided by the sum of the quantities in those fiscal years.

Mathematically, this relationship can be expressed as:

$$\text{Cumulative Average Costs}_i = \frac{\sum_{j=1}^i C_j}{\sum_{j=1}^i Q_j}$$

where:

$i$  = the numbers of the fiscal years in the sequence

$C_j$  = the cost in the  $j$ th fiscal year

$Q_j$  = the quantity purchased in the  $j$ th fiscal year

Note that cumulative average costs are only meaningful when data are available for all years. If data are missing for a given fiscal year, the calculation of cumulative average costs is not performed for that year or subsequent years. In a very few cases, components of total flyaway cost are missing. In these cases, cumulative average total flyaway costs calculated from total flyaway costs are the only cumulative average costs displayed.

Also note that the cumulative average cost calculations do not include fiscal year lots that have been identified as being Research and Development (R&D) buys. This is also true for the unit cost calculations discussed later. Fourteen M/D/S have one or more R&D fiscal year lots. These are shown in Exhibit III-4. The data collected from the Services did not explicitly identify these fiscal year lots as R&D buys. However, reference to Jane's All the World's Aircraft and a Rand report, An Analysis of Weapon System Acquisition Intervals, Past and Present, permitted identification of these as R&D

M/D/S WITH R&D FISCAL YEAR LOTS	FISCAL YEAR	NUMBER OF AIRCRAFT
A-4A	1953	9
A-4E	1960	2
A-7D	1967	5
A-7E	1967	7
B-57A	1952	8
B-57E	1953	2
F-4A	1955	2
	1956	5
	1957	11
	1958	5
F-4J	1965	18
F-6A	1952	11
F-8A	1954	5
F-104A	1955	17
F-104B	1956	6
F-105B	1954	4
	1955	6
F-106A	1956	17

Exhibit III-4. R&D AIRCRAFT ELIMINATED FROM UNIT AND CUMULATIVE AVERAGE COST CALCULATIONS

aircraft. These aircraft have been specifically identified in the data base in Section IV.

C. COST-QUANTITY RELATIONSHIPS

In developing consistent measures of cost, cost-quantity relationships are often used. Two measures, unit cost at a specified quantity and cumulative average cost at a specified quantity, are more prevalent than others. The original handbook contained only cumulative average cost displays; in this edition, the unit cost curve calculations are also presented.

The choice between a unit cost curve or a cumulative average cost curve is often made based on the application or analyst preference. The essential difference between the two curves centers around which curve is assumed to be log-linear, that is, which functional form is assumed to provide the best representation of the learning experience.. The results for both cost curves are presented without advocating a preference for one over the other.

1. Unit Cost Curves

Exhibit III-5 is a sample display of unit cost-quantity information that is contained in Section IV for each M/D/S aircraft or combined M/D/S aircraft. The display shows the values that define unit cost-quantity relationships for airframe costs, airframe plus engine costs and total flyaway costs. These learning curves were determined using regression analysis assuming the functional form:

$$C = AX^B \quad \text{or} \quad \ln C = \ln A + B(\ln X)$$

where:

$\ln$  = the natural logarithm function

$C$  = cost of unit  $X$

$X$  = unit number.

The constant  $A$  represents the first unit cost shown in Exhibit III-5. The exponent  $B$  is related to the slope, or learning rate, of the unit cost-quantity curve. The slope,  $s$ , is related to  $B$  as follows:

$$B = \frac{\ln s}{\ln 2}$$

where  $s$  is expressed as a decimal (e.g., .90).

The data used in the regression is the lot average cost and a calculated lot midpoint. The lot average cost is calculated from:

$$\text{Fiscal Year Average Cost} = \frac{\text{Fiscal Year Cost } i (\text{Constant FY81 Dollars})}{Q_i}$$

where  $Q_i$  is the quantity for fiscal year  $i$ . The corresponding lot midpoint is calculated from:

$$\text{Lot Midpoint}_i = \left[ \sum_{x=n+1}^{n+Q_i} x^B \right]^{1/B}$$

where:

$n$  = cumulative quantity produced to fiscal year  $i$

$B$  = learning curve exponent.

## F-4D

## UNIT COST CURVES

	CALC SLOPE	CALC FIRST COST	UNIT 100	R2
AIRFRAME	.886	7.192	3.212	.988
AIRFRAME & ENGINE	.894	8.392	3.981	.994
TOTAL FLYAWAY	.933	7.843	4.935	.982

## AIRFRAME

FY	PLOT POINT QUANTITY	FISCAL YEAR AVERAGE COST (ACTUAL, \$M)	FISCAL YEAR AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
--					
64	19	4.246	4.304	-.058	1.37
65	147	3.114	3.004	.110	3.53
66	508	2.363	2.417	-.054	2.29

## AIRFRAME &amp; ENGINE

FY	PLOT POINT QUANTITY	FISCAL YEAR AVERAGE COST (ACTUAL, \$M)	FISCAL YEAR AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
--					
64	19	5.166	5.214	-.048	.93
65	147	3.834	3.741	.093	2.43
66	508	3.013	3.060	-.047	1.56

## TOTAL FLYAWAY

FY	PLOT POINT QUANTITY	FISCAL YEAR AVERAGE COST (ACTUAL, \$M)	FISCAL YEAR AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
--					
64	19	5.763	5.819	-.056	.97
65	148	4.867	4.744	.123	2.53
66	509	4.123	4.189	-.066	1.60

Exhibit III-5. SAMPLE FORMAT OF AIRCRAFT  
UNIT COST CURVES

The calculated lot midpoint is seen to be dependent upon the learning curve exponent. For this reason, an iterative procedure is used in calculating the unit learning curve values.

The procedure is:

- calculate an initial estimate for B using arithmetic mean values for lot midpoints;
- calculate lot midpoints from the equation above using last estimate for B;
- calculate a revised estimate for B using new lot midpoints; and
- repeat the previous two steps until the two values for B agree within a small error (e.g., .0001).

The results from the last regression are used for the first unit costs and slopes shown in Exhibit III-5.

Also shown in the exhibit are the 100th unit costs, shown as Unit 100, for the three cost curves. The coefficient of determination, or  $R^2$ , for each curve is shown. This figure indicates the fraction of variation explained by the unit curves "fit" to the actual data. Values for  $R^2$  fall between zero and one, with higher values indicating a better fit to the data.

The remaining data groupings of Exhibit III-5 show by fiscal year:

- the plot point quantity (the calculated lot midpoint),
- the actual lot average cost,
- the calculated lot average cost,
- the difference, and
- the percent difference.

2. Cumulative Average Cost Curves

Exhibit III-6 is a sample display of cumulative average cost-quantity information for each M/D/S aircraft. The display shows the values that define cumulative average cost curves, in contrast to unit cost curves, for airframe costs, airframe plus engine costs, and total flyaway costs. Cumulative average cost curves were determined using regression analysis techniques assuming the functional form:

$$C_Q = AQ^B \text{ or } \ln C = \ln A + B(\ln Q)$$

where:

$\ln$  = the natural logarithm function

$C_Q$  = cumulative average cost for a quantity  $Q$

$Q$  = cumulative quantity

The constant  $A$  is the first unit cost, also shown in Exhibit III-6.

The constant  $B$  is related to the slope, or learning rate, of the cost-quantity curve (also shown in Exhibit III-6). We can determine the slope from  $B$  in this way:

$$s = 2^B \text{ or } B = \frac{\ln s}{\ln 2}$$

where:

$s$  = slope expressed as a decimal (e.g., .90).

F-4D

CUMULATIVE AVERAGE COST CURVES

	CALC SLOPE	FIRST COST	CAC(100)	R2
AIRFRAME	.892	8.213	3.845	.993
AIRFRAME & ENGINE	.899	9.550	4.699	.996
TOTAL FLYAWAY	.937	8.426	5.452	.988

AIRFRAME

FY	CUMULATIVE QUANTITY	CUMULATIVE AVERAGE COST (ACTUAL, \$M)	CUMULATIVE AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
64	52	4.246	4.282	-.036	.85
65	274	3.329	3.296	.073	2.19
66	793	2.697	2.733	-.036	1.33

AIRFRAME & ENGINE

FY	CUMULATIVE QUANTITY	CUMULATIVE AVERAGE COST (ACTUAL, \$M)	CUMULATIVE AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
64	52	5.166	5.197	-.031	.60
65	274	4.086	4.024	.062	1.52
66	793	3.384	3.416	-.032	.95

TOTAL FLYAWAY

FY	CUMULATIVE QUANTITY	CUMULATIVE AVERAGE COST (ACTUAL, \$M)	CUMULATIVE AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
64	52	5.763	5.800	-.037	.64
65	274	5.037	4.956	.081	1.61
66	793	4.439	4.483	-.044	.99

Exhibit III-6. SAMPLE FORMAT OF AIRCRAFT  
CUMULATIVE AVERAGE COST CURVES

In addition to the slope and first unit cost, Exhibit III-6 shows the cumulative average cost at Unit 100, shown as CAC(100), for the three cumulative average cost curves: airframe, airframe plus engine, and total flyaway costs. Also shown is the coefficient of determination, or  $R^2$ , value for the regression through the cost-quantity data (discussed previously for the unit cost curves).

The remaining three data groupings of Exhibit III-6 show the actual quantity and cost data by fiscal year, and the cost that would be estimated using the cumulative average cost curves. The difference between the actual and estimated values are shown, and the percent difference is displayed.

#### IV. AIRCRAFT DATA

This section displays the aircraft cost and performance data discussed in the previous sections. The aircraft are presented in the order shown below.

1. A-1E	27. AH-1J	53. F/AF-1E(FJ-4/4B)	79. F-9F/H	105. F-104B
2. A-1G	28. AH-1S	54. F-2C	80. F-11A	106. F-104C
3. A-1H	29. AH-1T	55. F-2D	81. F-14A	107. F-104D
4. A-1J	30. AV-8A	56. F-3A	82. F-15A	108. F-104A/B/C/D
5. A-1E/G/H	31. B-47B	57. F-3B	83. F-16A	109. F-105B
6. A-3A	32. B-47E	58. F-3C	84. F/A-18A	110. F-105D
7. A-3B	33. B-47B/E	59. F-3A/B/C	85. F-84F	111. F-105F
8. A-3A/B	34. B-52B	60. F-4A	86. F-84G	112. F-105B/D
9. A-4A	35. B-52C	61. F-4B	87. F-86D	113. F-106A
10. A-4B	36. B-52D	62. F-4C	88. F-86E	114. F-106B
11. A-4C	37. B-52E	63. F-4D	89. F-86F	115. F-106A/B
12. A-4E	38. B-52F	64. F-4E	90. F-86H	116. F-111A
13. A-4F	39. B-52G	65. F-4J	91. F-89C	117. F-111B
14. A-4M	40. B-52H	66. F-4A/B	92. F-89D	118. F-111D
15. A-4A/B	41. B-57A	67. F-4C/D	93. F-89H	119. F-111E
16. A-4E/F	42. B-57B	68. F-6A	94. F-100A	120. F-111F
17. A-6A	43. B-57C	69. F-8A	95. F-100C	121. FB-111A
18. A-6E	44. B-57E	70. F-8B	96. F-100D	122. P-2E
19. A-7A	45. B-57B/C/E	71. F-8C	97. F-100F	123. P-2F
20. A-7B	46. B-66B	72. F-8D	98. F-100A/C	124. P-2H
21. A-7D	47. F-1B(FJ-2)	73. F-8E	99. F-101A	125. P-3A
22. A-7E	48. F-1C(FJ-3)	74. F-8A/B/C	100. F-101B	126. P-3B
23. A-7A/B	49. MF-1C(FJ-3M)	75. F-8D/E	101. F-101C	127. P-3C
24. A-10A	50. F-1E(FJ-4)	76. F-9F	102. F-101A/B/C	128. S-3A
25. A-37B	51. AF-1E(FJ-4B)	77. F-9H	103. F-102A	
26. AH-1G	52. F-1B/C/MF-1C	78. F-9J	104. F-104A	

**Exhibit IV-1. INDIVIDUAL AND COMBINED M/D/S AIRCRAFT**

For each individual and combined M/D/S aircraft, the following data are displayed:

- physical and performance characteristics;
- aircraft cost data presented in then-year TOA and in constant FY81 dollars;
- calculated unit costs for airframe, airframe and engines, and total flyaway cost (when sufficient data are available); and
- calculated cumulative average costs for airframe, airframe and engines, and total flyaway cost (when sufficient data are available).

A-1E

A-1E

**PHYSICAL AND PERFORMANCE  
CHARACTERISTICS**

MANUFACTURER:	DOUGLAS
WING (FIXED/ROTARY):	FIXED
CTOL/VSTOL/STOL/OTHER:	CTOL
AIRFRAME PERFORMANCE:	6.57
AIRCRAFT SYSTEM PERFORMANCE:	3.34
ENGINE NUMBER:	R3350-26WA
NUMBER OF ENGINES:	1
SERVICE:	NAVY

## A-1E

TOTAL OBLIGATIONAL AUTHORITY  
(MILLIONS OF THEN-YEAR DOLLARS)

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
52	211	59.823	17.493	4.952	.972	4.161	87.401

## MILLIONS OF CONSTANT FY81 DOLLARS

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
52	211	205.436	60.072	17.005	3.338	14.289	300.141
TOTAL	211	205.436	60.072	17.005	3.338	14.289	300.141

FISCAL YEAR LOT AVERAGE COSTS  
(MILLIONS OF CONSTANT FY81 DOLLARS)

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
52	211	.974	.285	.081	.016	.068	1.422
TOTAL	211	.974	.285	.081	.016	.068	1.422

CUMULATIVE AVERAGE COSTS  
(MILLIONS OF CONSTANT FY81 DOLLARS)

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
52	211	.974	.285	.081	.016	.068	1.422

A-16

A-16

**PHYSICAL AND PERFORMANCE  
CHARACTERISTICS**

MANUFACTURER:	DOUGLAS
WING (FIXED/ROTARY):	FIXED
CTOL/VSTOL/STOL/OTHER:	CTOL
AIRFRAME PERFORMANCE:	6.57
AIRCRAFT SYSTEM PERFORMANCE:	3.34
ENGINE NUMBER:	R3350-26WA
NUMBER OF ENGINES:	1
SERVICE:	NAVY

**TOTAL OBLIGATIONAL AUTHORITY  
(MILLIONS OF THEN-YEAR DOLLARS)**

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
52	160	45.416	13.265	10.221	.432	2.649	71.983
53	81	15.846	3.795	8.420	.208	1.508	29.777

**MILLIONS OF CONSTANT FY81 DOLLARS**

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
52	160	155.962	45.553	35.100	1.484	9.097	247.194
53	81	53.788	12.882	28.581	.706	5.119	101.076
<b>TOTAL</b>	<b>241</b>	<b>209.750</b>	<b>58.435</b>	<b>63.681</b>	<b>2.190</b>	<b>14.216</b>	<b>348.270</b>

**FISCAL YEAR LOT AVERAGE COSTS  
(MILLIONS OF CONSTANT FY81 DOLLARS)**

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
52	160	.975	.285	.219	.009	.057	1.545
53	81	.664	.159	.353	.009	.063	1.248
<b>TOTAL</b>	<b>241</b>	<b>.870</b>	<b>.242</b>	<b>.264</b>	<b>.009</b>	<b>.059</b>	<b>1.445</b>

**CUMULATIVE AVERAGE COSTS  
(MILLIONS OF CONSTANT FY81 DOLLARS)**

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
52	160	.975	.285	.219	.009	.057	1.545
53	241	.870	.242	.264	.009	.059	1.445

A-1H

A-1H

PHYSICAL AND PERFORMANCE  
CHARACTERISTICS

MANUFACTURER:	DOUGLAS
WING (FIXED/ROTARY):	FIXED
CTOL/VSTOL/STOL/OTHER:	CTOL
AIRFRAME PERFORMANCE:	6.57
AIRCRAFT SYSTEM PERFORMANCE:	3.34
ENGINE NUMBER:	R3350-26WA
NUMBER OF ENGINES:	1
SERVICE:	NAVY

A-1H

**TOTAL OBLIGATIONAL AUTHORITY  
(MILLIONS OF THEN-YEAR DOLLARS)**

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
52	172	31.180	14.426	3.003	.710	3.501	52.820
53	445	69.617	20.847	11.813	3.992	8.863	115.132
54	26	5.142	1.176	.403	.404	.432	7.557

**MILLIONS OF CONSTANT FY81 DOLLARS**

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
52	172	107.074	49.540	10.313	2.438	12.023	181.387
53	445	236.310	70.764	40.098	13.551	30.085	390.808
54	26	16.842	3.852	1.320	1.323	1.415	24.753
<b>TOTAL</b>	<b>643</b>	<b>360.227</b>	<b>124.156</b>	<b>51.731</b>	<b>17.312</b>	<b>43.523</b>	<b>596.948</b>

**FISCAL YEAR LOT AVERAGE COSTS  
(MILLIONS OF CONSTANT FY81 DOLLARS)**

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
52	172	.623	.288	.060	.014	.070	1.055
53	445	.531	.159	.090	.030	.068	.878
54	26	.648	.148	.051	.051	.054	.952
<b>TOTAL</b>	<b>643</b>	<b>.560</b>	<b>.193</b>	<b>.080</b>	<b>.027</b>	<b>.068</b>	<b>.928</b>

**CUMULATIVE AVERAGE COSTS  
(MILLIONS OF CONSTANT FY81 DOLLARS)**

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
52	172	.623	.288	.060	.014	.070	1.055
53	617	.557	.195	.082	.026	.068	.927
54	643	.560	.193	.080	.027	.068	.928

A-1H

A-1H

## UNIT COST CURVES

	CALC SLOPE	CALC FIRST COST	UNIT 100	R2
AIRFRAME	.993	.631	.604	.012
AIRFRAME & ENGINE	.944	1.251	.854	.524
TOTAL FLYAWAY	.960	1.328	1.011	.608

## AIRFRAME

FY	PLOT POINT QUANTITY	FISCAL YEAR AVERAGE COST (ACTUAL, \$M)	FISCAL YEAR AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
52	64	.623	.606	.017	2.73
53	372	.531	.596	-.065	12.24
54	630	.648	.59	.055	8.49

## AIRFRAME &amp; ENGINE

FY	PLOT POINT QUANTITY	FISCAL YEAR AVERAGE COST (ACTUAL, \$M)	FISCAL YEAR AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
52	62	.911	.889	.022	2.41
53	370	.690	.767	-.077	11.16
54	630	.796	.734	.062	7.79

## TOTAL FLYAWAY

FY	PLOT POINT QUANTITY	FISCAL YEAR AVERAGE COST (ACTUAL, \$M)	FISCAL YEAR AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
52	63	1.055	1.039	.016	1.52
53	371	.878	.936	-.058	6.61
54	630	.952	.907	.045	4.73

## A-1H

## CUMULATIVE AVERAGE COST CURVES

	CALC SLOPE	CALC FIRST COST	CAC(100)	R2
AIRFRAME	.944	.957	.651	.994
AIRFRAME & ENGINE	.903	1.938	.986	.999
TOTAL FLYAWAY	.934	1.751	1.112	.999

## AIRFRAME

FY	CUMULATIVE QUANTITY	CUMULATIVE AVERAGE COST (ACTUAL, \$M)	CUMULATIVE AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
52	172	.623	.622	.001	.16
53	617	.557	.559	-.001	.36
54	643	.560	.557	.003	.54

## AIRFRAME &amp; ENGINE

FY	CUMULATIVE QUANTITY	CUMULATIVE AVERAGE COST (ACTUAL, \$M)	CUMULATIVE AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
52	172	.911	.910	.001	.11
53	617	.752	.755	-.002	.40
54	643	.753	.750	.003	.40

## TOTAL FLYAWAY

FY	CUMULATIVE QUANTITY	CUMULATIVE AVERAGE COST (ACTUAL, \$M)	CUMULATIVE AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
52	172	1.055	1.054	.001	.09
53	617	.927	.930	-.002	.32
54	643	.928	.926	.002	.22

A-1J

A-1J

PHYSICAL AND PERFORMANCE  
CHARACTERISTICS

MANUFACTURER:	DOUGLAS
WING (FIXED/ROTARY):	FIXED
CTOL/VSTOL/STOL/OTHER:	CTOL
AIRFRAME PERFORMANCE:	6.57
AIRCRAFT SYSTEM PERFORMANCE:	3.34
ENGINE NUMBER:	R3350-26WB
NUMBER OF ENGINES:	1
SERVICE:	NAVY

## A-1J

TOTAL OBLIGATIONAL AUTHORITY  
(MILLIONS OF THEN-YEAR DOLLARS)

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
55	72	18.266	3.628	1.327	.441	1.211	24.873

## MILLIONS OF CONSTANT FY81 DOLLARS

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
55	72	57.458	11.412	4.174	1.387	3.809	78.242
TOTAL	72	57.458	11.412	4.174	1.387	3.809	78.242

FISCAL YEAR LOT AVERAGE COSTS  
(MILLIONS OF CONSTANT FY81 DOLLARS)

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
55	72	.798	.159	.058	.019	.053	1.087
TOTAL	72	.798	.159	.058	.019	.053	1.087

CUMULATIVE AVERAGE COSTS  
(MILLIONS OF CONSTANT FY81 DOLLARS)

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
55	72	.798	.159	.058	.019	.053	1.087

A-1E/G/H

A-1E/G/H

**PHYSICAL AND PERFORMANCE  
CHARACTERISTICS**

MANUFACTURER:	DOUGLAS
WING (FIXED/ROTARY):	FIXED
CTOL/VSTOL/STOL/OTHER:	CTOL
AIRFRAME PERFORMANCE:	6.57
AIRCRAFT SYSTEM PERFORMANCE:	3.34
ENGINE NUMBER:	R3350-26WA
NUMBER OF ENGINES:	1
SERVICE:	NAVY

A-1E/G/H

**TOTAL OBLIGATIONAL AUTHORITY  
(MILLIONS OF THEN-YEAR DOLLARS)**

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
52	211	59.823	17.493	4.952	.997	4.161	87.401
52	160	45.416	13.265	10.221	.432	2.649	71.983
52	172	31.180	14.426	3.003	.710	3.501	52.820
53	81	15.846	3.795	8.420	.208	1.508	29.777
53	445	69.617	20.847	11.813	3.992	8.863	115.132
54	26	5.142	1.176	.403	.404	.432	7.557

**MILLIONS OF CONSTANT FY81 DOLLARS**

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
52	211	205.436	60.072	17.005	3.424	14.289	300.141
52	160	155.962	45.553	35.100	.484	9.097	247.194
52	172	107.074	49.540	10.313	2.438	12.023	181.387
53	81	53.788	12.882	28.581	.706	5.119	101.076
53	445	236.310	70.764	40.098	13.551	30.085	390.808
54	26	16.842	3.852	1.320	1.323	1.415	24.753
TOTAL	1095	775.413	242.662	132.417	22.926	72.027	1245.359

A-1E/G/H

A-1E/6/H

FISCAL YEAR LOT AVERAGE COSTS  
(MILLIONS OF CONSTANT FY81 DOLLARS)

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
52	211	.974	.285	.081	.016	.068	1.422
52	160	.975	.285	.219	.009	.057	1.545
52	172	.623	.288	.060	.014	.070	1.055
53	81	.664	.159	.353	.009	.063	1.248
53	445	.531	.159	.090	.030	.068	.878
54	26	.648	.148	.051	.051	.054	.952
TOTAL	1095	.708	.222	.121	.021	.066	1.137

CUMULATIVE AVERAGE COSTS  
(MILLIONS OF CONSTANT FY81 DOLLARS)

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
52	211	.974	.285	.081	.016	.068	1.422
52	371	.974	.285	.140	.013	.063	1.475
52	543	.863	.286	.115	.014	.065	1.342
53	624	.837	.269	.146	.013	.065	1.330
53	1069	.710	.223	.123	.020	.066	1.142
54	1095	.708	.222	.121	.021	.066	1.137

A-1E/G/H

## UNIT COST CURVES

	CALC SLOPE	CALC FIRST COST	UNIT 100	R2
AIRFRAME	.865	2.519	.962	.664
AIRFRAME & ENGINE	.860	3.465	1.268	.733
TOTAL FLYAWAY	.885	3.340	1.487	.573

## AIRFRAME

FY	PLOT POINT QUANTITY	FISCAL YEAR AVERAGE COST (ACTUAL, \$M)	FISCAL YEAR AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
52	71	.974	1.034	-.060	6.16
52	287	.975	.772	.203	20.82
52	454	.623	.702	-.079	12.68
53	583	.664	.666	-.001	.30
53	835	.531	.618	-.087	16.38
54	1082	.648	.585	.063	9.72

## AIRFRAME &amp; ENGINE

FY	PLOT POINT QUANTITY	FISCAL YEAR AVERAGE COST (ACTUAL, \$M)	FISCAL YEAR AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
52	71	1.258	1.368	-.110	8.74
52	287	1.259	1.007	.252	20.02
52	454	.911	.911	0.000	0.00
53	583	.823	.863	-.040	4.86
53	834	.690	.798	-.108	15.65
54	1082	.796	.754	.042	5.28

## TOTAL FLYAWAY

FY	PLOT POINT QUANTITY	FISCAL YEAR AVERAGE COST (ACTUAL, \$M)	FISCAL YEAR AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
52	72	1.422	1.574	-.152	10.69
52	287	1.545	1.235	.310	20.06
52	454	1.055	1.139	-.084	7.96
53	583	1.248	1.090	.158	12.66
53	835	.878	1.024	-.146	16.63
54	1082	.952	.978	-.026	2.73

A-1E/G/H

A-1E/G/H

## CUMULATIVE AVERAGE COST CURVES

	CALC SLOPE	CALC FIRST COST	CAC(100)	R2
AIRFRAME	.862	3.257	1.212	.905
AIRFRAME & ENGINE	.869	3.968	1.557	.883
TOTAL FLYAWAY	.898	3.490	1.703	.806

## AIRFRAME

FY	CUMULATIVE QUANTITY	CUMULATIVE AVERAGE COST (ACTUAL, \$M)	CUMULATIVE AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
--	-----	-----	-----	-----	-----
52	211	.974	1.032	-.058	5.95
52	371	.974	.915	.059	6.06
52	543	.863	.843	.020	2.32
53	624	.837	.818	.019	2.27
53	1069	.710	.729	-.019	2.68
54	1095	.708	.725	-.017	2.40

## AIRFRAME &amp; ENGINE

FY	CUMULATIVE QUANTITY	CUMULATIVE AVERAGE COST (ACTUAL, \$M)	CUMULATIVE AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
--	-----	-----	-----	-----	-----
52	211	1.258	1.338	-.080	6.36
52	371	1.259	1.193	.066	5.24
52	543	1.149	1.104	.045	3.92
53	624	1.106	1.074	.032	2.89
53	1069	.933	.963	-.030	3.22
54	1095	.930	.958	-.028	3.01

## TOTAL FLYAWAY

FY	CUMULATIVE QUANTITY	CUMULATIVE AVERAGE COST (ACTUAL, \$M)	CUMULATIVE AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
--	-----	-----	-----	-----	-----
52	211	1.422	1.516	-.094	6.61
52	371	1.475	1.388	.087	5.90
52	543	1.342	1.308	.034	2.53
53	624	1.330	1.280	.050	3.76
53	1069	1.142	1.177	-.035	3.06
54	1095	1.137	1.173	-.036	3.17

A-3A

A-3A

**PHYSICAL AND PERFORMANCE  
CHARACTERISTICS**

MANUFACTURER:	DOUGLAS
WING (FIXED/ROTARY):	FIXED
CTOL/VSTOL/STOL/OTHER:	CTOL
AIRFRAME PERFORMANCE:	12.84
AIRCRAFT SYSTEM PERFORMANCE:	10.74
ENGINE NUMBER:	J57-P-6
NUMBER OF ENGINES:	2
SERVICE:	NAVY

## A-3A

TOTAL OBLIGATIONAL AUTHORITY  
(MILLIONS OF THEN-YEAR DOLLARS)

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
53	38	70,525	11,447	1,166	15,932	9,368	108,438
59	21	35,805	4,269	8,738	10,977	.785	60,574

## MILLIONS OF CONSTANT FY81 DOLLARS

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
53	38	239,392	38,856	3,958	54,080	31,799	368,086
59	21	109,529	13,059	26,730	33,579	2,401	185,298
<b>TOTAL</b>	<b>59</b>	<b>348,921</b>	<b>51,915</b>	<b>30,688</b>	<b>87,659</b>	<b>34,200</b>	<b>553,384</b>

FISCAL YEAR LOT AVERAGE COSTS  
(MILLIONS OF CONSTANT FY81 DOLLARS)

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
53	38	6,300	1,023	.104	1,423	.837	9,686
59	21	5,216	.622	1,273	1,599	.114	8,824
<b>TOTAL</b>	<b>59</b>	<b>5,914</b>	<b>.880</b>	<b>.520</b>	<b>1,486</b>	<b>.580</b>	<b>9,379</b>

CUMULATIVE AVERAGE COSTS  
(MILLIONS OF CONSTANT FY81 DOLLARS)

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
53	38	6,300	1,023	.104	1,423	.837	9,686
59	59	5,914	.880	.520	1,486	.580	9,379

A-3B

A-3B

PHYSICAL AND PERFORMANCE  
CHARACTERISTICS

MANUFACTURER:	DOUGLAS
WING (FIXED/ROTARY):	FIXED
CTOL/VSTOL/STOL/OTHER:	CTOL
AIRFRAME PERFORMANCE:	12.84
AIRCRAFT SYSTEM PERFORMANCE:	10.74
ENGINE NUMBER:	J57-P-10
NUMBER OF ENGINES:	2
SERVICE:	NAVY

**TOTAL OBLIGATIONAL AUTHORITY  
(MILLIONS OF THEN-YEAR DOLLARS)**

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
54	75	92.021	17.764	3.377	24.991	2.393	140.546
55	28	31.768	5.988	.630	8.594	.951	47.931
56	40	71.067	8.690	.785	14.553	1.135	96.230

**MILLIONS OF CONSTANT FY81 DOLLARS**

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
54	75	301.412	58.185	11.061	81.857	7.838	460.354
55	28	99.931	18.836	1.982	27.034	2.992	150.774
56	40	214.639	26.246	2.371	43.953	3.428	290.637
<b>TOTAL</b>	<b>143</b>	<b>615.982</b>	<b>103.267</b>	<b>15.414</b>	<b>152.844</b>	<b>14.258</b>	<b>901.765</b>

**FISCAL YEAR LOT AVERAGE COSTS  
(MILLIONS OF CONSTANT FY81 DOLLARS)**

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
54	75	4.019	.776	.147	1.091	.105	6.138
55	28	3.569	.673	.071	.965	.107	5.385
56	40	5.366	.656	.059	1.099	.086	7.266
<b>TOTAL</b>	<b>143</b>	<b>4.308</b>	<b>.722</b>	<b>.108</b>	<b>1.069</b>	<b>.100</b>	<b>6.306</b>

**CUMULATIVE AVERAGE COSTS  
(MILLIONS OF CONSTANT FY81 DOLLARS)**

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
54	75	4.019	.776	.147	1.091	.105	6.138
55	103	3.897	.748	.127	1.057	.105	5.933
56	143	4.308	.722	.108	1.069	.100	6.306

A-3B

A-3B

## UNIT COST CURVES

	CALC SLOPE	CALC FIRST COST	UNIT 100	R2
AIRFRAME	1.091	2.497	4.455	.195
AIRFRAME & ENGINE	1.065	3.379	5.137	.145
TOTAL FLYAWAY	1.040	4.885	6.351	.081

## AIRFRAME

FY	PLOT POINT QUANTITY	FISCAL YEAR AVERAGE COST (ACTUAL, \$M)	FISCAL YEAR AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
54	30	4.019	3.832	.187	4.65
55	89	3.569	4.392	-.823	23.06
56	123	5.366	4.573	.793	14.78

## AIRFRAME &amp; ENGINE

FY	PLOT POINT QUANTITY	FISCAL YEAR AVERAGE COST (ACTUAL, \$M)	FISCAL YEAR AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
54	30	4.795	4.602	.193	4.03
55	89	4.242	5.084	-.842	19.85
56	123	6.022	5.235	.787	13.07

## TOTAL FLYAWAY

FY	PLOT POINT QUANTITY	FISCAL YEAR AVERAGE COST (ACTUAL, \$M)	FISCAL YEAR AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
54	29	6.138	5.923	.215	3.50
55	89	5.385	6.309	-.924	17.16
56	123	7.266	6.426	.840	11.56

## CUMULATIVE AVERAGE COST CURVES

	CALC SLOPE	CALC FIRST COST	CAC(100)	R2
AIRFRAME	1.078	2.459	4.056	.466
AIRFRAME & ENGINE	1.052	3.402	4.808	.365
TOTAL FLYAWAY	1.030	5.024	6.115	.203

## AIRFRAME

FY	CUMULATIVE QUANTITY	CUMULATIVE AVERAGE COST (ACTUAL, \$M)	CUMULATIVE AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
54	75	4.019	3.931	.088	2.19
55	103	3.897	4.069	-.172	4.41
56	143	4.308	4.217	.091	2.11

## AIRFRAME &amp; ENGINE

FY	CUMULATIVE QUANTITY	CUMULATIVE AVERAGE COST (ACTUAL, \$M)	CUMULATIVE AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
54	75	4.795	4.705	.090	1.88
55	103	4.644	4.819	-.175	3.77
56	143	5.030	4.939	.091	1.81

## TOTAL FLYAWAY

FY	CUMULATIVE QUANTITY	CUMULATIVE AVERAGE COST (ACTUAL, \$M)	CUMULATIVE AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
54	75	6.138	6.041	.097	1.58
55	103	5.933	6.123	-.190	3.20
56	143	6.306	6.209	.097	1.54

A-3A/B

A-3A/B

**PHYSICAL AND PERFORMANCE  
CHARACTERISTICS**

MANUFACTURER:	DOUGLAS
WING (FIXED/ROTARY):	FIXED
CTOL/VSTOL/STOL/OTHER:	CTOL
AIRFRAME PERFORMANCE:	12.84
AIRCRAFT SYSTEM PERFORMANCE:	10.74
ENGINE NUMBER:	J57-P-10
NUMBER OF ENGINES:	2
SERVICE:	NAVY

A-3A/B

**TOTAL OBLIGATIONAL AUTHORITY  
(MILLIONS OF THEN-YEAR DOLLARS)**

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
53	38	70.525	11.447	1.166	15.932	9.368	108.438
54	75	92.021	17.764	3.377	24.991	2.393	140.546
55	28	31.768	5.988	.630	8.594	.951	47.931
56	40	71.067	8.699	.785	14.553	1.135	96.230
59	21	35.805	4.269	8.738	10.977	.785	60.574

**MILLIONS OF CONSTANT FY81 DOLLARS**

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
53	38	239.392	38.856	3.958	54.080	31.799	368.086
54	75	301.412	58.185	11.061	81.857	7.838	460.354
55	28	99.931	18.836	1.982	27.034	2.992	150.774
56	40	214.639	26.273	2.371	43.953	3.428	290.637
59	21	109.529	13.059	26.730	33.579	2.401	185.298
<b>TOTAL</b>	<b>202</b>	<b>964.903</b>	<b>155.210</b>	<b>46.102</b>	<b>240.504</b>	<b>48.458</b>	<b>1455.149</b>

## A-3A/B

A-3A/B

FISCAL YEAR LOT AVERAGE COSTS  
(MILLIONS OF CONSTANT FY81 DOLLARS)

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
53	38	6.300	1.023	.104	1.423	.837	9.686
54	75	4.019	.776	.147	1.091	.105	6.138
55	28	3.569	.673	.071	.965	.107	5.385
56	40	5.366	.657	.059	1.099	.086	7.266
59	21	5.216	.622	1.273	1.599	.114	8.824
<b>TOTAL</b>	<b>202</b>	<b>4.777</b>	<b>.768</b>	<b>.228</b>	<b>1.191</b>	<b>.240</b>	<b>7.204</b>

CUMULATIVE AVERAGE COSTS  
(MILLIONS OF CONSTANT FY81 DOLLARS)

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
53	38	6.300	1.023	.104	1.423	.837	9.686
54	113	4.786	.859	.133	1.203	.351	7.331
55	141	4.544	.822	.121	1.156	.302	6.945
56	181	4.726	.785	.107	1.143	.254	7.016
59	202	4.777	.768	.228	1.191	.240	7.204

A-3A/B

## UNIT COST CURVES

	CALC SLOPE	CALC FIRST COST	UNIT 100	R2
AIRFRAME	.934	7.420	4.710	.201
AIRFRAME & ENGINE	.927	9.008	5.436	.295
TOTAL FLYAWAY	.932	11.401	7.156	.189

## AIRFRAME

FY	PLOT POINT QUANTITY	FISCAL YEAR AVERAGE COST (ACTUAL, \$M)	FISCAL YEAR AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
53	14	6.300	5.700	.600	9.52
54	72	4.019	4.862	-.843	20.98
55	127	3.569	4.599	-1.030	28.86
56	161	5.366	4.493	.873	16.27
59	192	5.216	4.416	.800	15.34

## AIRFRAME &amp; ENGINE

FY	PLOT POINT QUANTITY	FISCAL YEAR AVERAGE COST (ACTUAL, \$M)	FISCAL YEAR AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
53	14	7.322	6.723	.599	8.18
54	72	4.795	5.632	-.837	17.46
55	127	4.242	5.295	-1.053	24.82
56	161	6.023	5.159	.864	14.35
59	192	5.838	5.061	.777	13.31

## TOTAL FLYAWAY

FY	PLOT POINT QUANTITY	FISCAL YEAR AVERAGE COST (ACTUAL, \$M)	FISCAL YEAR AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
53	14	9.686	8.702	.984	10.16
54	72	6.138	7.393	-1.255	20.45
55	127	5.385	6.984	-1.599	29.69
56	161	7.266	6.819	.447	6.15
59	192	8.824	6.699	2.125	24.08

A-3A/B

A-3A/B

## CUMULATIVE AVERAGE COST CURVES

	CALC SLOPE	CALC FIRST COST	CAC(100)	R2
AIRFRAME	.881	11.877	5.136	.851
AIRFRAME & ENGINE	.883	13.779	6.007	.887
TOTAL FLYAWAY	.872	19.361	7.815	.896

## AIRFRAME

FY	CUMULATIVE QUANTITY	CUMULATIVE AVERAGE COST (ACTUAL, \$M)	CUMULATIVE AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
53	38	6.300	6.125	.175	2.78
54	113	4.786	5.023	-.237	4.95
55	141	4.544	4.825	-.281	6.18
56	181	4.726	4.610	.116	2.45
59	202	4.777	4.519	.258	5.40

## AIRFRAME &amp; ENGINE

FY	CUMULATIVE QUANTITY	CUMULATIVE AVERAGE COST (ACTUAL, \$M)	CUMULATIVE AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
53	38	7.322	7.152	.170	2.32
54	113	5.645	5.876	-.231	4.09
55	141	5.366	5.646	-.280	5.22
56	181	5.511	5.398	.113	2.05
59	202	5.545	5.292	.253	4.56

## TOTAL FLYAWAY

FY	CUMULATIVE QUANTITY	CUMULATIVE AVERAGE COST (ACTUAL, \$M)	CUMULATIVE AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
53	38	9.686	9.456	.230	2.37
54	113	7.331	7.629	-.298	4.06
55	141	6.945	7.303	-.358	5.15
56	181	7.016	6.953	.063	.90
59	202	7.204	6.804	.400	5.55

A-4A

A-4A

**PHYSICAL AND PERFORMANCE  
CHARACTERISTICS**

MANUFACTURER:	MCDONNELL DOUGLAS
WING (FIXED/ROTARY):	FIXED
CTOL/VSTOL/STOL/OTHER:	CTOL
AIRFRAME PERFORMANCE:	6.84
AIRCRAFT SYSTEM PERFORMANCE:	3.93
ENGINE NUMBER:	J65-W-4B
NUMBER OF ENGINES:	1
SERVICE:	NAVY

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**TOTAL OBLIGATIONAL AUTHORITY  
(MILLIONS OF THEN-YEAR DOLLARS)**

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
53	9	22.315	.843	.153	.040	.002	23.353*
53	10	5.510	.939	.170	.044	.039	6.699
54	52	34.996	3.646	.558	.181	.370	39.751
55	94	33.223	6.556	1.039	.307	.541	41.666

**MILLIONS OF CONSTANT FY81 DOLLARS**

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
53	9	75.747	2.862	.519	.136	.007	79.270*
53	10	18.703	3.187	.577	.149	.132	22.739
54	52	114.628	11.942	1.828	.593	1.212	130.203
55	94	104.508	20.623	3.268	.966	1.702	131.066
TOTAL	165	313.586	38.614	6.192	1.844	3.053	363.279

\*\*\* = R&D LOT DATA

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FISCAL YEAR LOT AVERAGE COSTS  
(MILLIONS OF CONSTANT FY81 DOLLARS)

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
53	9	8.416	.318	.058	.015	.001	8.808*
53	10	1.870	.319	.058	.015	.013	2.274
54	52	2.204	.230	.035	.011	.023	2.504
55	94	1.112	.219	.035	.010	.018	1.394
TOTAL	165	1.901	.234	.038	.011	.019	2.202

CUMULATIVE AVERAGE COSTS  
(MILLIONS OF CONSTANT FY81 DOLLARS)

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
53	10	1.870	.319	.058	.015	.013	2.274
54	62	2.151	.244	.039	.012	.022	2.467
55	156	1.525	.229	.036	.011	.020	1.821

\* = R&amp;D LOT DATA

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## UNIT COST CURVES

	CALC SLOPE	CALC FIRST COST	UNIT 100	R2
AIRFRAME	.909	2.580	1.371	.382
AIRFRAME & ENGINE	.911	2.953	1.593	.448
TOTAL FLYAWAY	.912	3.048	1.658	.459

## AIRFRAME

FY	PLOT POINT QUANTITY	FISCAL YEAR AVERAGE COST (ACTUAL, \$M)	FISCAL YEAR AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
--	--	--	--	--	--
53	4	1.870	2.106	-.236	12.62
54	32	2.204	1.600	.604	27.40
55	106	1.112	1.360	-.248	22.30

## AIRFRAME &amp; ENGINE

FY	PLOT POINT QUANTITY	FISCAL YEAR AVERAGE COST (ACTUAL, \$M)	FISCAL YEAR AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
--	--	--	--	--	--
53	4	2.189	2.422	-.233	10.64
54	32	2.434	1.852	.582	23.91
55	106	1.331	1.581	-.250	18.78

## TOTAL FLYAWAY

FY	PLOT POINT QUANTITY	FISCAL YEAR AVERAGE COST (ACTUAL, \$M)	FISCAL YEAR AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
--	--	--	--	--	--
53	4	2.274	2.507	-.233	10.25
54	32	2.504	1.924	.580	23.16
55	106	1.394	1.646	-.252	18.08

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## CUMULATIVE AVERAGE COST CURVES

	CALC SLOPE	CALC FIRST COST	CAC(100)	R2
AIRFRAME	.964	2.244	1.756	.185
AIRFRAME & ENGINE	.958	2.661	1.995	.297
TOTAL FLYAWAY	.957	2.764	2.065	.317

## AIRFRAME

FY	CUMULATIVE QUANTITY	CUMULATIVE AVERAGE COST (ACTUAL, \$M)	CUMULATIVE AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
53	10	1.870	1.985	-.115	6.15
54	62	2.151	1.801	.350	16.27
55	156	1.525	1.715	-.190	12.46

## AIRFRAME &amp; ENGINE

FY	CUMULATIVE QUANTITY	CUMULATIVE AVERAGE COST (ACTUAL, \$M)	CUMULATIVE AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
53	10	2.189	2.304	-.115	5.25
54	62	2.395	2.056	.339	14.15
55	156	1.754	1.941	-.187	10.66

## TOTAL FLYAWAY

FY	CUMULATIVE QUANTITY	CUMULATIVE AVERAGE COST (ACTUAL, \$M)	CUMULATIVE AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
53	10	2.274	2.389	-.115	5.06
54	62	2.467	2.129	.338	13.70
55	156	1.821	2.008	-.187	10.27

A-4B

A-4B

PHYSICAL AND PERFORMANCE  
CHARACTERISTICS

MANUFACTURER:	MCDONNELL DOUGLAS
WING (FIXED/ROTARY):	FIXED
CTOL/VSTOL/STOL/OTHER:	CTOL
AIRFRAME PERFORMANCE:	6.84
AIRCRAFT SYSTEM PERFORMANCE:	3.93
ENGINE NUMBER:	J65-W-16A
NUMBER OF ENGINES:	1
SERVICE:	NAVY

**TOTAL OBLIGATIONAL AUTHORITY  
(MILLIONS OF THEN-YEAR DOLLARS)**

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
55	68	38.290	4.676	1.090	.581	.663	41.300
56	280	80.304	18.570	3.548	2.169	2.396	106.987
57	194	55.941	14.153	2.775	1.405	2.377	76.651

**MILLIONS OF CONSTANT FY81 DOLLARS**

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
55	68	120.447	14.709	3.429	1.828	2.086	129.915
56	280	242.537	56.086	10.716	6.551	7.236	323.126
57	194	167.689	42.425	8.318	4.212	7.125	229.769
<b>TOTAL</b>	<b>542</b>	<b>530.673</b>	<b>113.220</b>	<b>22.463</b>	<b>12.590</b>	<b>16.447</b>	<b>682.810</b>

**FISCAL YEAR LOT AVERAGE COSTS  
(MILLIONS OF CONSTANT FY81 DOLLARS)**

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
55	68	1.771	.216	.050	.027	.031	1.911
56	280	.866	.200	.038	.023	.026	1.154
57	194	.864	.219	.043	.022	.037	1.184
<b>TOTAL</b>	<b>542</b>	<b>.979</b>	<b>.209</b>	<b>.041</b>	<b>.023</b>	<b>.030</b>	<b>1.260</b>

**CUMULATIVE AVERAGE COSTS  
(MILLIONS OF CONSTANT FY81 DOLLARS)**

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
55	68	1.771	.216	.050	.027	.031	1.911
56	348	1.043	.203	.041	.024	.027	1.302
57	542	.979	.209	.041	.023	.030	1.260

A-4B

A-4B

## UNIT COST CURVES

	CALC SLOPE	CALC FIRST COST	UNIT 100	R2
AIRFRAME	.834	3.887	1.162	.920
AIRFRAME & ENGINE	.856	3.905	1.387	.906
TOTAL FLYAWAY	.883	3.282	1.435	.891

## AIRFRAME

FY	PLOT POINT QUANTITY	FISCAL YEAR AVERAGE COST (ACTUAL, \$M)	FISCAL YEAR AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
55	23	1.771	1.704	.067	3.78
56	186	.866	.988	-.122	14.09
57	441	.864	.788	.076	8.80

## AIRFRAME &amp; ENGINE

FY	PLOT POINT QUANTITY	FISCAL YEAR AVERAGE COST (ACTUAL, \$M)	FISCAL YEAR AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
55	24	1.988	1.918	.070	3.52
56	187	1.067	1.205	-.138	12.93
57	441	1.083	.993	.090	8.31

## TOTAL FLYAWAY

FY	PLOT POINT QUANTITY	FISCAL YEAR AVERAGE COST (ACTUAL, \$M)	FISCAL YEAR AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
55	24	1.911	1.852	.059	3.09
56	188	1.154	1.282	-.128	11.09
57	441	1.184	1.099	.085	7.18

## CUMULATIVE AVERAGE COST CURVES

	CALC SLOPE	CALC FIRST COST	CAC(100)	R2
AIRFRAME	.814	6.128	1.567	.989
AIRFRAME & ENGINE	.836	5.862	1.785	.986
TOTAL FLYAWAY	.865	4.599	1.749	.982

## AIRFRAME

FY	CUMULATIVE QUANTITY	CUMULATIVE AVERAGE COST (ACTUAL, \$M)	CUMULATIVE AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
55	68	1.771	1.757	.014	.79
56	348	1.043	1.083	-.040	3.84
57	542	.979	.950	.029	2.96

## AIRFRAME &amp; ENGINE

FY	CUMULATIVE QUANTITY	CUMULATIVE AVERAGE COST (ACTUAL, \$M)	CUMULATIVE AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
55	68	1.988	1.972	.016	.80
56	348	1.246	1.294	-.048	3.85
57	542	1.188	1.154	.034	2.86

## TOTAL FLYAWAY

FY	CUMULATIVE QUANTITY	CUMULATIVE AVERAGE COST (ACTUAL, \$M)	CUMULATIVE AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
55	68	1.911	1.897	.014	.73
56	348	1.302	1.346	-.044	3.38
57	542	1.260	1.227	.033	2.62

A-4C

A-4C

PHYSICAL AND PERFORMANCE  
CHARACTERISTICS

MANUFACTURER:	MCDONNELL DOUGLAS
WING (FIXED/ROTARY):	FIXED
CTOL/VSTOL/STOL/OTHER:	CTOL
AIRFRAME PERFORMANCE:	6.22
AIRCRAFT SYSTEM PERFORMANCE:	5.45
ENGINE NUMBER:	J65-W-16A
NUMBER OF ENGINES:	1
SERVICE:	NAVY

## A-4C

**TOTAL OBLIGATIONAL AUTHORITY  
(MILLIONS OF THEN-YEAR DOLLARS)**

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
57	85	49.835	6.192	3.104	2.151	.705	61.987
59	195	71.565	13.276	4.534	5.223	1.600	96.198
60	178	62.903	11.928	5.545	5.045	2.756	88.177
61	160	61.329	4.262	3.186	2.931	.915	72.623
62	20	6.670	.706	.435	.402	.331	8.544

**MILLIONS OF CONSTANT FY81 DOLLARS**

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
57	85	149.385	18.561	9.305	6.448	2.113	185.812
59	195	218.920	40.612	13.870	15.977	4.894	294.273
60	178	191.544	36.322	16.885	15.362	8.392	268.505
61	160	187.036	12.998	9.716	8.939	2.790	221.479
62	20	20.448	2.164	1.334	1.232	1.015	26.193
<b>TOTAL</b>	<b>638</b>	<b>767.333</b>	<b>110.657</b>	<b>51.109</b>	<b>47.959</b>	<b>19.205</b>	<b>996.262</b>

A-4C

A-4C

FISCAL YEAR LOT AVERAGE COSTS  
(MILLIONS OF CONSTANT FY81 DOLLARS)

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
57	85	1.757	.218	.109	.076	.025	2.186
59	195	1.123	.208	.071	.082	.025	1.509
60	178	1.076	.204	.095	.086	.047	1.508
61	160	1.169	.081	.061	.056	.017	1.384
62	20	1.022	.108	.067	.062	.051	1.310
<b>TOTAL</b>	<b>638</b>	<b>1.203</b>	<b>.173</b>	<b>.080</b>	<b>.075</b>	<b>.030</b>	<b>1.562</b>

CUMULATIVE AVERAGE COSTS  
(MILLIONS OF CONSTANT FY81 DOLLARS)

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
57	85	1.757	.218	.109	.076	.025	2.186
59	280	1.315	.211	.083	.080	.025	1.715
60	458	1.222	.209	.087	.083	.034	1.634
61	618	1.209	.176	.081	.076	.029	1.570
62	638	1.203	.173	.080	.075	.030	1.562

## UNIT COST CURVES

	CALC SLOPE	CALC FIRST COST	UNIT 100	R2
AIRFRAME	.894	2.889	1.377	.846
AIRFRAME & ENGINE	.890	3.414	1.571	.947
TOTAL FLYAWAY	.897	3.657	1.770	.948

## AIRFRAME

FY	PLOT POINT QUANTITY	FISCAL YEAR AVERAGE COST (ACTUAL, \$M)	FISCAL YEAR AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
57	30	1.757	1.670	.087	4.95
59	172	1.123	1.262	-.139	12.38
60	365	1.076	1.118	-.042	3.90
61	536	1.169	1.051	.118	10.09
62	628	1.022	1.025	-.002	.29

## AIRFRAME &amp; ENGINE

FY	PLOT POINT QUANTITY	FISCAL YEAR AVERAGE COST (ACTUAL, \$M)	FISCAL YEAR AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCFNT DIFFERENCE
57	30	1.976	1.924	.052	2.63
59	172	1.331	1.434	-.103	7.74
60	365	1.280	1.263	.017	1.33
61	536	1.250	1.184	.066	5.28
62	628	1.131	1.153	-.022	1.95

## TOTAL FLYAWAY

FY	PLOT POINT QUANTITY	FISCAL YEAR AVERAGE COST (ACTUAL, \$M)	FISCAL YEAR AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
57	30	2.186	2.137	.049	2.24
59	172	1.509	1.625	-.116	7.69
60	365	1.508	1.443	.065	4.31
61	536	1.384	1.358	.026	1.88
62	628	1.310	1.325	-.015	1.15

A-4C

A-4C

## CUMULATIVE AVERAGE COST CURVES

	CALC SLOPE	CALC FIRST COST	CAC(100)	R2
AIRFRAME	.877	3.989	1.669	.963
AIRFRAME & ENGINE	.883	4.313	1.893	.983
TOTAL FLYAWAY	.892	4.493	2.100	.982

## AIRFRAME

FY	CUMULATIVE QUANTITY	CUMULATIVE AVERAGE COST (ACTUAL, \$M)	CUMULATIVE AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
57	85	1.757	1.721	.036	2.05
59	280	1.315	1.373	-.058	4.41
60	458	1.222	1.251	-.029	2.37
61	618	1.209	1.182	.027	2.23
62	638	1.203	1.175	.028	2.33

## AIRFRAME &amp; ENGINE

FY	CUMULATIVE QUANTITY	CUMULATIVE AVERAGE COST (ACTUAL, \$M)	CUMULATIVE AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
57	85	1.976	1.949	.027	1.37
59	280	1.527	1.575	-.048	3.14
60	458	1.431	1.442	-.011	.77
61	618	1.384	1.367	.017	1.23
62	638	1.376	1.359	.017	1.24

## TOTAL FLYAWAY

FY	CUMULATIVE QUANTITY	CUMULATIVE AVERAGE COST (ACTUAL, \$M)	CUMULATIVE AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
57	85	2.186	2.157	.029	1.33
59	280	1.715	1.772	-.057	3.32
60	458	1.634	1.634	0.000	0.00
61	618	1.570	1.555	.015	.96
62	638	1.562	1.547	.015	.96

A-4E

A-4E

PHYSICAL AND PERFORMANCE  
CHARACTERISTICS

MANUFACTURER:	MCDONNELL DOUGLAS
WING (FIXED/ROTARY):	FIXED
CTOL./VSTOL/STOL/OTHER:	CTOL
AIRFRAME PERFORMANCE:	7.22
AIRCRAFT SYSTEM PERFORMANCE:	7.27
ENGINE NUMBER:	J52-P-8
NUMBER OF ENGINES:	1
SERVICE:	NAVY

A-4E

**TOTAL OBLIGATIONAL AUTHORITY  
(MILLIONS OF THEN-YEAR DOLLARS)**

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
60	2	9.701	.604	.065	.057	.038	10.465*
61	20	16.727	3.547	.398	.408	.106	21.186
62	180	83.697	30.558	5.529	4.660	3.226	127.670
63	180	82.980	35.487	6.060	4.284	7.461	136.272
64	118	53.425	23.182	4.914	4.688	8.641	94.850

**MILLIONS OF CONSTANT FY81 DOLLARS**

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
60	2	29.540	1.839	.198	.174	.116	31.867*
61	20	51.013	10.817	1.214	1.244	.323	64.611
62	180	256.582	93.679	16.950	14.286	9.890	391.586
63	180	250.998	107.341	18.330	12.958	22.568	412.196
64	118	156.168	67.764	14.364	13.704	25.259	277.258
TOTAL	500	744.301	281.440	51.056	42.365	58.155	1177.318

\*\*\* = R&D LOT DATA'

A-4E

A-4E

FISCAL YEAR LOT AVERAGE COSTS  
(MILLIONS OF CONSTANT FY81 DOLLARS)

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
60	2	14.770	.920	.099	.087	.058	15.933*
61	20	2.551	.541	.061	.062	.016	3.231
62	180	1.425	.520	.094	.079	.055	2.174
63	180	1.394	.596	.102	.072	.125	2.290
64	118	1.323	.574	.122	.116	.214	2.350
<b>TOTAL</b>	<b>500</b>	<b>1.489</b>	<b>.563</b>	<b>.102</b>	<b>.085</b>	<b>.116</b>	<b>2.355</b>

CUMULATIVE AVERAGE COSTS  
(MILLIONS OF CONSTANT FY81 DOLLARS)

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
61	20	2.551	.541	.061	.062	.016	3.231
62	200	1.538	.522	.091	.078	.051	2.280
63	380	1.470	.557	.096	.075	.086	2.285
64	498	1.435	.561	.102	.085	.117	2.300

\* = R&D LOT DATA

## UNIT COST CURVES

	CALC SLOPE	CALC FIRST COST	UNIT 100	R2
AIRFRAME	.892	3.417	1.603	.921
AIRFRAME & ENGINE	.919	3.813	2.179	.880
TOTAL FLYAWAY	.943	3.670	2.477	.726

## AIRFRAME

FY	PLOT POINT QUANTITY	FISCAL YEAR AVERAGE COST (ACTUAL, \$M)	FISCAL YEAR AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
61	8	2.551	2.435	.116	4.55
62	93	1.425	1.623	-.198	13.89
63	285	1.394	1.350	.044	3.16
64	437	1.323	1.258	.065	4.91

## AIRFRAME &amp; ENGINE

FY	PLOT POINT QUANTITY	FISCAL YEAR AVERAGE COST (ACTUAL, \$M)	FISCAL YEAR AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
61	8	3.091	2.962	.129	4.17
62	94	1.946	2.196	-.250	12.85
63	285	1.991	1.918	.073	3.67
64	438	1.898	1.821	.077	4.06

## TOTAL FLYAWAY

FY	PLOT POINT QUANTITY	FISCAL YEAR AVERAGE COST (ACTUAL, \$M)	FISCAL YEAR AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
61	8	3.231	3.070	.161	4.98
62	94	2.174	2.489	-.315	14.49
63	285	2.290	2.265	.025	1.09
64	438	2.350	2.183	.167	7.11

A-4E

A-4E

## CUMULATIVE AVERAGE COST CURVES

	CALC SLOPE	CALC FIRST COST	CAC(100)	R2
AIRFRAME	.880	4.361	1.862	--
AIRFRAME & ENGINE	.907	4.644	2.421	.958
TOTAL FLYAWAY	.924	4.451	2.641	.922

## AIRFRAME

FY	CUMULATIVE QUANTITY	CUMULATIVE AVERAGE COST (ACTUAL, \$M)	CUMULATIVE AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
--					
61	20	2.551	2.507	.044	1.72
62	200	1.538	1.638	-.100	6.50
63	380	1.470	1.455	.015	1.02
64	498	1.435	1.384	.051	3.55

## AIRFRAME &amp; ENGINE

FY	CUMULATIVE QUANTITY	CUMULATIVE AVERAGE COST (ACTUAL, \$M)	CUMULATIVE AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
--					
61	20	3.091	3.040	.051	1.65
62	200	2.060	2.195	-.135	6.55
63	380	2.027	2.004	.023	1.13
64	498	1.997	1.929	.068	3.41

## TOTAL FLYAWAY

FY	CUMULATIVE QUANTITY	CUMULATIVE AVERAGE COST (ACTUAL, \$M)	CUMULATIVE AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
--					
61	20	3.231	3.170	.061	1.89
62	200	2.280	2.442	-.162	7.11
63	380	2.285	2.271	.014	.61
64	498	2.300	2.202	.098	4.26

A-4F

A-4F

PHYSICAL AND PERFORMANCE  
CHARACTERISTICS

MANUFACTURER:	MCDONNELL DOUGLAS
WING (FIXED/ROTARY):	FIXED
CTOL/VSTOL/STOL/OTHER:	CTOL
AIRFRAME PERFORMANCE:	7.22
AIRCRAFT SYSTEM PERFORMANCE:	7.27
ENGINE NUMBER:	J52-P-8
NUMBER OF ENGINES:	1
SERVICE:	NAVY

## A-4F

TOTAL OBLIGATIONAL AUTHORITY  
(MILLIONS OF THEN-YEAR DOLLARS)

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
66	46	22.333	10.236	8.726	2.921	3.475	47.691
67	100	48.360	22.602	18.843	6.695	7.765	104.265

## MILLIONS OF CONSTANT FY81 DOLLARS

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
66	46	58.159	26.656	22.724	7.607	9.049	124.195
67	100	120.508	56.322	46.955	16.683	19.350	259.818
<b>TOTAL</b>	<b>146</b>	<b>178.667</b>	<b>82.978</b>	<b>69.679</b>	<b>24.290</b>	<b>28.399</b>	<b>384.013</b>

FISCAL YEAR LOT AVERAGE COSTS  
(MILLIONS OF CONSTANT FY81 DOLLARS)

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
66	46	1.264	.579	.494	.165	.197	2.700
67	100	1.205	.563	.470	.167	.193	2.598
<b>TOTAL</b>	<b>146</b>	<b>1.224</b>	<b>.568</b>	<b>.477</b>	<b>.166</b>	<b>.195</b>	<b>2.630</b>

CUMULATIVE AVERAGE COSTS  
(MILLIONS OF CONSTANT FY81 DOLLARS)

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
66	46	1.264	.579	.494	.165	.197	2.700
67	146	1.224	.568	.477	.166	.195	2.630

A-4M

A-4M

**PHYSICAL AND PERFORMANCE  
CHARACTERISTICS**

MANUFACTURER:	MCDONNELL DOUGLAS
WING (FIXED/ROTARY):	FIXED
CTOL/VSTOL/STOL/OTHER:	CTOL
AIRFRAME PERFORMANCE:	7.33
AIRCRAFT SYSTEM PERFORMANCE:	8.52
ENGINE NUMBER:	J52-P-408
NUMBER OF ENGINES:	1
SERVICE:	NAVY

## A-4M

TOTAL OBLIGATIONAL AUTHORITY  
(MILLIONS OF THEN-YEAR DOLLARS)

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
70	49	50.746	16.100	3.013	.848	3.705	83.245
71	24	21.692	9.297	1.657	1.605	1.844	40.295
74	44	57.679	18.413	16.344	1.250	3.700	99.536
77	21	51.816	1.807	9.654	1.171	2.064	66.512

## MILLIONS OF CONSTANT FY81 DOLLARS

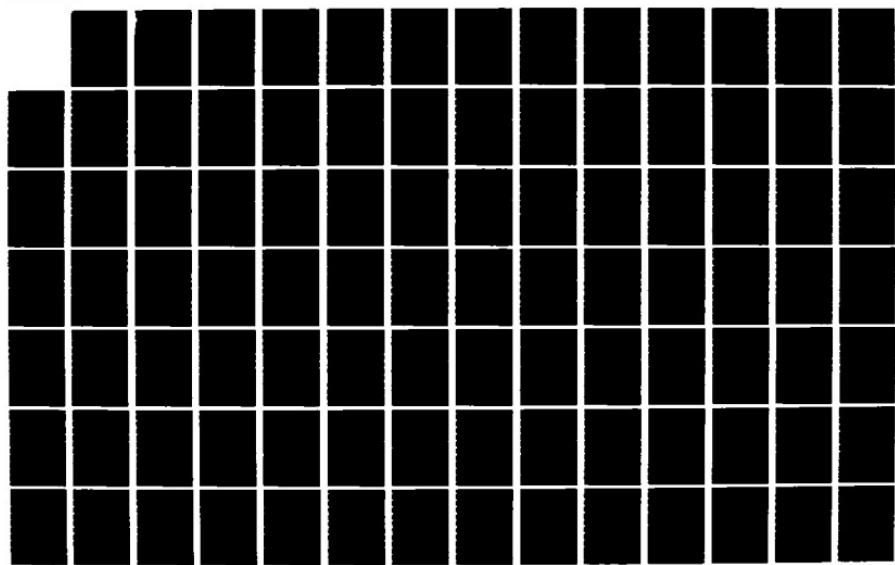
FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
70	49	111.800	35.470	6.638	1.868	8.163	183.399
71	24	45.476	19.491	3.474	3.365	3.866	84.476
74	44	95.039	30.339	26.930	2.060	6.097	164.007
77	21	66.773	2.329	12.441	1.509	2.660	85.711
<b>TOTAL</b>	<b>138</b>	<b>319.088</b>	<b>87.629</b>	<b>49.483</b>	<b>8.802</b>	<b>20.785</b>	<b>517.594</b>

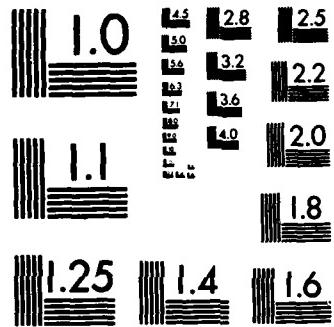
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MICROCOPY RESOLUTION TEST CHART  
NATIONAL BUREAU OF STANDARDS-1963-A

A-4M

A-4M

FISCAL YEAR LOT AVERAGE COSTS  
(MILLIONS OF CONSTANT FY81 DOLLARS)

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
70	49	2,282	.724	.135	.038	.167	3,743
71	24	1,895	.812	.145	.140	.161	3,520
74	44	2,160	.690	.612	.047	.139	3,727
77	21	3,180	.111	.592	.072	.127	4,081
TOTAL	138	2,312	.635	.359	.064	.151	3,751

CUMULATIVE AVERAGE COSTS  
(MILLIONS OF CONSTANT FY81 DOLLARS)

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
70	49	2,282	.724	.135	.038	.167	3,743
71	73	2,154	.753	.139	.072	.165	3,670
74	117	2,157	.729	.317	.062	.155	3,691
77	138	2,312	.635	.359	.064	.151	3,751

## UNIT COST CURVES

	CALC SLOPE	CALC FIRST COST	UNIT 100	R2
AIRFRAME	1.079	1.482	2.461	.166
AIRFRAME & ENGINE	1.015	2.708	2.986	.045
TOTAL FLYAWAY	1.021	3.324	3.818	.167

## AIRFRAME

FY	PLOT POINT QUANTITY	FISCAL YEAR AVERAGE COST (ACTUAL, \$M)	FISCAL YEAR AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
70	20	2.282	2.060	.222	9.73
71	61	1.895	2.331	-.436	23.01
74	95	2.160	2.446	-.286	13.24
77	128	3.180	2.528	.652	20.50

## AIRFRAME &amp; ENGINE

FY	PLOT POINT QUANTITY	FISCAL YEAR AVERAGE COST (ACTUAL, \$M)	FISCAL YEAR AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
70	19	3.006	2.883	.123	4.09
71	61	2.707	2.955	-.248	9.16
74	95	2.850	2.983	-.133	4.67
77	128	3.291	3.002	.289	8.78

## TOTAL FLYAWAY

FY	PLOT POINT QUANTITY	FISCAL YEAR AVERAGE COST (ACTUAL, \$M)	FISCAL YEAR AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
70	19	3.743	3.634	.109	2.91
71	61	3.520	3.762	-.242	6.88
74	95	3.727	3.812	-.085	2.28
77	128	4.081	3.846	.235	5.76

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A-4M

## CUMULATIVE AVERAGE COST CURVES

	CALC SLOPE	CALC FIRST COST	CAC(100)	R2
AIRFRAME	1.000	2.230	2.225	.000
AIRFRAME & ENGINE	.984	3.251	2.927	.359
TOTAL FLYAWAY	1.000	3.704	3.714	.001

## AIRFRAME

FY	CUMULATIVE QUANTITY	CUMULATIVE AVERAGE COST (ACTUAL, \$M)	CUMULATIVE AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
70	49	2.282	2.226	.056	2.45
71	73	2.154	2.225	-.071	3.30
74	117	2.157	2.225	-.068	3.15
77	138	2.312	2.225	.087	3.76

## AIRFRAME &amp; ENGINE

FY	CUMULATIVE QUANTITY	CUMULATIVE AVERAGE COST (ACTUAL, \$M)	CUMULATIVE AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
70	49	3.006	2.975	.031	1.03
71	73	2.907	2.948	-.041	1.41
74	117	2.886	2.916	-.030	1.04
77	138	2.947	2.905	.042	1.43

## TOTAL FLYAWAY

FY	CUMULATIVE QUANTITY	CUMULATIVE AVERAGE COST (ACTUAL, \$M)	CUMULATIVE AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
70	49	3.743	3.712	.031	.83
71	73	3.670	3.713	-.043	1.17
74	117	3.691	3.714	-.023	.62
77	138	3.751	3.714	.037	.99

A-4A/B

A-4A/B

**PHYSICAL AND PERFORMANCE  
CHARACTERISTICS**

MANUFACTURER:	MCDONNELL DOUGLAS
WING (FIXED/ROTARY):	FIXED
CTOL/VSTOL/STOL/OTHER:	CTOL
AIRFRAME PERFORMANCE:	6.84
AIRCRAFT SYSTEM PERFORMANCE:	3.93
ENGINE NUMBER:	J65-W-16A
NUMBER OF ENGINES:	1
SERVICE:	NAVY

## A-4A/B

TOTAL OBLIGATIONAL AUTHORITY  
(MILLIONS OF THEN-YEAR DOLLARS)

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
53	10	5.510	.939	.170	.044	.039	6.699
54	52	34.996	3.646	.558	.181	.370	39.751
55	94	33.223	6.556	1.039	.307	.541	41.666
55	68	38.290	4.676	1.090	.581	.663	41.300
56	280	80.304	18.570	3.548	2.169	2.396	106.987
57	194	55.941	14.153	2.775	1.405	2.377	76.651

## MILLIONS OF CONSTANT FY81 DOLLARS

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
53	10	18.703	3.187	.577	.149	.132	22.739
54	52	114.628	11.942	1.828	.593	1.212	130.203
55	94	104.508	20.623	3.268	.966	1.702	131.066
55	68	120.447	14.709	3.429	1.828	2.086	129.915
56	280	242.537	56.086	10.716	6.551	7.236	323.126
57	194	167.689	42.425	8.318	4.212	7.125	229.769
TOTAL	698	768.512	148.972	28.136	14.298	19.493	966.819

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A-4A/B

FISCAL YEAR LOT AVERAGE COSTS  
(MILLIONS OF CONSTANT FY81 DOLLARS)

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
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53	10	1.870	.319	.058	.015	.013	2.274
54	52	2.204	.230	.035	.011	.023	2.504
55	94	1.112	.219	.035	.010	.018	1.394
55	68	1.771	.216	.050	.027	.031	1.911
56	280	.866	.200	.038	.023	.026	1.154
57	194	.864	.219	.043	.022	.037	1.184
TOTAL	698	1.101	.213	.040	.020	.028	1.385

CUMULATIVE AVERAGE COSTS  
(MILLIONS OF CONSTANT FY81 DOLLARS)

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
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53	10	1.870	.319	.058	.015	.013	2.274
54	62	2.151	.244	.039	.012	.022	2.467
55	156	1.525	.229	.036	.011	.020	1.821
55	224	1.599	.225	.041	.016	.023	1.848
56	504	1.192	.211	.039	.020	.025	1.462
57	698	1.101	.213	.040	.020	.028	1.385

## UNIT COST CURVES

	CALC SLOPE	CALC FIRST COST	UNIT 100	R2
AIRFRAME	.889	2.915	1.331	.552
AIRFRAME & ENGINE	.897	3.226	1.571	.591
TOTAL FLYAWAY	.901	3.261	1.636	.646

## AIRFRAME

FY	PLOT POINT QUANTITY	FISCAL YEAR AVERAGE COST (ACTUAL, \$M)	FISCAL YEAR AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
53	4	1.870	2.271	-.401	21.44
54	32	2.204	1.613	.591	26.81
55	105	1.112	1.319	-.207	18.62
55	189	1.771	1.194	.577	32.58
56	354	.866	1.073	-.207	23.90
57	598	.864	.982	-.118	13.66

## AIRFRAME &amp; ENGINE

FY	PLOT POINT QUANTITY	FISCAL YEAR AVERAGE COST (ACTUAL, \$M)	FISCAL YEAR AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
53	4	2.189	2.563	-.374	17.09
54	32	2.434	1.873	.561	23.05
55	105	1.331	1.558	-.227	17.05
55	189	1.988	1.422	.566	28.47
56	354	1.067	1.289	-.222	20.81
57	598	1.083	1.188	-.105	9.70

## TOTAL FLYAWAY

FY	PLOT POINT QUANTITY	FISCAL YEAR AVERAGE COST (ACTUAL, \$M)	FISCAL YEAR AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
53	4	2.274	2.616	-.342	15.04
54	32	2.504	1.937	.567	22.64
55	105	1.394	1.623	-.229	16.43
55	189	1.911	1.487	.424	22.19
56	354	1.154	1.354	-.200	17.33
57	598	1.184	1.252	-.068	5.74

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A-4A/B

## CUMULATIVE AVERAGE COST CURVES

	CALC SLOPE	CALC FIRST COST	CAC(100)	R2
AIRFRAME	.910	2.989	1.603	.673
AIRFRAME & ENGINE	.914	3.367	1.852	.728
TOTAL FLYAWAY	.915	3.457	1.917	.750

## AIRFRAME

FY	CUMULATIVE QUANTITY	CUMULATIVE AVERAGE COST (ACTUAL, \$M)	CUMULATIVE AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
53	10	1.870	2.189	-.319	17.06
54	62	2.151	1.710	.441	20.50
55	156	1.525	1.509	.016	1.05
55	224	1.599	1.437	.162	10.13
56	504	1.192	1.288	-.096	8.05
57	698	1.101	1.232	-.131	11.90

## AIRFRAME &amp; ENGINE

FY	CUMULATIVE QUANTITY	CUMULATIVE AVERAGE COST (ACTUAL, \$M)	CUMULATIVE AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
53	10	2.189	2.497	-.308	14.07
54	62	2.395	1.970	.425	17.75
55	156	1.754	1.748	.006	.34
55	224	1.825	1.667	.158	8.66
56	504	1.404	1.501	-.097	6.91
57	698	1.314	1.439	-.125	9.51

## TOTAL FLYAWAY

FY	CUMULATIVE QUANTITY	CUMULATIVE AVERAGE COST (ACTUAL, \$M)	CUMULATIVE AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
53	10	2.274	2.574	-.300	13.19
54	62	2.467	2.038	.429	17.39
55	156	1.821	1.811	.010	.55
55	224	1.848	1.729	.119	6.44
56	504	1.462	1.558	-.096	6.57
57	698	1.385	1.494	-.109	7.87

A-4E/F

A-4E/F

PHYSICAL AND PERFORMANCE  
CHARACTERISTICS

MANUFACTURER:	MCDONNELL DOUGLAS
WING (FIXED/ROTARY):	FIXED
CTOL/VSTOL/STOL/OTHER:	CTOL
AIRFRAME PERFORMANCE:	7.22
AIRCRAFT SYSTEM PERFORMANCE:	7.27
ENGINE NUMBER:	J52-P-8
NUMBER OF ENGINES:	1
SERVICE:	NAVY

## A-4E/F

**TOTAL OBLIGATIONAL AUTHORITY  
(MILLIONS OF THEN-YEAR DOLLARS)**

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
61	20	16.727	3.547	.398	.408	.106	21.186
62	180	83.697	30.558	5.529	4.660	3.226	127.670
63	180	82.980	35.487	6.060	4.284	7.461	136.272
64	118	53.425	23.182	4.914	4.688	8.641	94.850
66	46	22.333	10.236	8.726	2.921	3.475	47.691
67	100	48.360	22.602	18.843	6.695	7.765	104.265

**MILLIONS OF CONSTANT FY81 DOLLARS**

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
61	20	51.013	10.817	1.214	1.244	.323	64.611
62	180	256.582	93.679	16.950	14.286	9.890	391.386
63	180	250.998	107.341	18.330	12.958	22.568	412.196
64	118	156.168	67.764	14.364	13.704	25.259	277.258
66	46	58.159	26.656	22.724	7.607	9.049	124.195
67	100	120.508	56.322	46.955	16.683	19.350	259.818
TOTAL	644	893.428	362.579	120.537	66.482	86.439	1529.464

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A-4E/F

FISCAL YEAR LOT AVERAGE COSTS  
(MILLIONS OF CONSTANT FY81 DOLLARS)

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
61	20	2.551	.541	.061	.062	.016	3.231
62	180	1.425	.520	.094	.079	.055	2.174
63	180	1.394	.596	.102	.072	.125	2.290
64	118	1.323	.574	.122	.116	.214	2.350
66	46	1.264	.579	.494	.165	.197	2.700
67	100	1.205	.563	.470	.167	.193	2.598
TOTAL	644	1.387	.563	.187	.103	.134	2.375

CUMULATIVE AVERAGE COSTS  
(MILLIONS OF CONSTANT FY81 DOLLARS)

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
61	20	2.551	.541	.061	.062	.016	3.231
62	200	1.538	.522	.091	.078	.051	2.280
63	380	1.470	.557	.096	.075	.086	2.285
64	498	1.435	.561	.102	.085	.117	2.300
66	544	1.421	.563	.135	.092	.123	2.334
67	644	1.387	.563	.187	.103	.134	2.375

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## UNIT COST CURVES

	CALC SLOPE	CALC FIRST COST	UNIT 100	R2
AIRFRAME	.894	3.383	1.611	.939
AIRFRAME & ENGINE	.921	3.774	2.190	.904
TOTAL FLYAWAY	.966	3.274	2.607	.322

## AIRFRAME

FY	PLOT POINT QUANTITY	FISCAL YEAR AVERAGE COST (ACTUAL, \$M)	FISCAL YEAR AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
61	8	2.551	2.426	.125	4.90
62	93	1.425	1.630	-.205	14.39
63	285	1.394	1.361	.033	2.37
64	437	1.323	1.270	.053	4.01
66	521	1.264	1.235	.029	2.29
67	593	1.205	1.209	-.003	.33

## AIRFRAME &amp; ENGINE

FY	PLOT POINT QUANTITY	FISCAL YEAR AVERAGE COST (ACTUAL, \$M)	FISCAL YEAR AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
61	8	3.091	2.952	.139	4.50
62	94	1.946	2.207	-.261	13.41
63	285	1.991	1.935	.056	2.81
64	438	1.898	1.839	.059	3.11
66	521	1.844	1.802	.042	2.28
67	593	1.768	1.774	-.005	.34

## TOTAL FLYAWAY

FY	PLOT POINT QUANTITY	FISCAL YEAR AVERAGE COST (ACTUAL, \$M)	FISCAL YEAR AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
61	8	3.231	2.951	.280	8.67
62	95	2.174	2.614	-.440	20.24
63	286	2.290	2.475	-.185	8.08
64	438	2.350	2.423	-.073	3.11
66	521	2.700	2.402	.298	11.04
67	593	2.598	2.387	.211	8.12

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A-4E/F

## CUMULATIVE AVERAGE COST CURVES

	CALC SLOPE	CALC FIRST COST	CAC(100)	R2
AIRFRAME	.885	4.209	1.875	.971
AIRFRAME & ENGINE	.912	4.489	2.436	.952
TOTAL FLYAWAY	.936	4.159	2.675	.840

## AIRFRAME

FY	CUMULATIVE QUANTITY	CUMULATIVE AVERAGE COST (ACTUAL,\$M)	CUMULATIVE AVERAGE COST (ESTIMATED,\$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
61	20	2.551	2.487	.064	2.51
62	200	1.538	1.660	-.122	7.93
63	380	1.470	1.483	-.013	.88
64	498	1.435	1.414	.021	1.46
66	544	1.421	1.393	.028	1.97
67	644	1.387	1.352	.035	2.52

## AIRFRAME &amp; ENGINE

FY	CUMULATIVE QUANTITY	CUMULATIVE AVERAGE COST (ACTUAL,\$M)	CUMULATIVE AVERAGE COST (ESTIMATED,\$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
61	20	3.091	3.017	.074	2.39
62	200	2.060	2.222	-.162	7.86
63	380	2.027	2.041	-.014	.69
64	498	1.997	1.969	.028	1.40
66	544	1.984	1.946	.038	1.92
67	644	1.950	1.903	.047	2.41

## TOTAL FLYAWAY

FY	CUMULATIVE QUANTITY	CUMULATIVE AVERAGE COST (ACTUAL,\$M)	CUMULATIVE AVERAGE COST (ESTIMATED,\$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
61	20	3.231	3.121	.110	3.40
62	200	2.280	2.503	-.223	9.78
63	380	2.285	2.354	-.069	3.02
64	498	2.300	2.293	.007	.30
66	544	2.334	2.274	.060	2.57
67	644	2.375	2.238	.137	5.77

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PHYSICAL AND PERFORMANCE  
CHARACTERISTICS

MANUFACTURER:	GRUMMAN
WING (FIXED/ROTARY):	FIXED
CTOL/VSTOL/STOL/OTHER:	CTOL
AIRFRAME PERFORMANCE:	12.13
AIRCRAFT SYSTEM PERFORMANCE:	13.83
ENGINE NUMBER:	J52-P-8
NUMBER OF ENGINES:	2
SERVICE:	NAVY

**TOTAL OBLIGATIONAL AUTHORITY  
(MILLIONS OF THEN-YEAR DOLLARS)**

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
61	12	81.797	4.200	2.397	.425	.150	88.969
62	23	96.267	7.680	3.135	.712	.570	108.364
63	43	120.665	15.967	5.320	1.276	1.165	144.393
64	48	134.943	16.639	4.853	1.137	1.164	158.736
65	64	166.840	25.038	14.876	3.066	2.158	211.978
66	112	270.636	47.817	23.977	6.830	6.296	355.556
67	63	154.522	27.735	9.311	3.364	4.113	199.045
68	78	208.463	34.304	7.405	3.032	3.943	257.147
69	36	93.340	17.311	2.405	2.385	1.883	141.269

**MILLIONS OF CONSTANT FY81 DOLLARS**

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
61	12	249.457	12.809	7.310	1.296	.457	271.330
62	23	295.116	23.544	9.611	2.183	1.747	332.201
63	43	364.988	48.297	16.092	3.860	3.524	436.760
64	48	394.455	48.638	14.186	3.324	3.403	464.005
65	64	460.248	69.070	41.037	8.458	5.953	584.767
66	112	704.781	124.523	62.440	17.786	16.396	925.927
67	63	385.054	69.113	23.202	8.383	10.249	496.000
68	78	501.475	82.521	17.813	7.294	9.485	618.588
69	36	215.566	39.979	5.554	5.508	4.349	326.256
TOTAL	479	3571.140	518.494	197.246	58.091	55.563	4455.835

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FISCAL YEAR LOT AVERAGE COSTS  
(MILLIONS OF CONSTANT FY81 DOLLARS)

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
61	12	20.788	1.067	.609	.108	.038	22.611
62	23	12.831	1.024	.418	.095	.076	14.444
63	43	8.488	1.123	.374	.090	.082	10.157
64	48	8.218	1.013	.296	.069	.071	9.667
65	64	7.191	1.079	.641	.132	.093	9.137
66	112	6.293	1.112	.558	.159	.146	8.267
67	63	6.112	1.097	.368	.133	.163	7.873
68	78	6.429	1.058	.228	.094	.122	7.931
69	36	5.988	1.111	.154	.153	.121	9.063
TOTAL	479	7.455	1.082	.412	.121	.116	9.302

CUMULATIVE AVERAGE COSTS  
(MILLIONS OF CONSTANT FY81 DOLLARS)

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
61	12	20.788	1.067	.609	.108	.038	22.611
62	35	15.559	1.039	.483	.099	.063	17.244
63	78	11.661	1.085	.423	.094	.073	13.337
64	126	10.349	1.058	.375	.085	.072	11.939
65	190	9.286	1.065	.464	.101	.079	10.995
66	302	8.176	1.082	.499	.122	.104	9.983
67	365	7.819	1.085	.476	.124	.114	9.619
68	443	7.575	1.080	.433	.119	.116	9.322
69	479	7.455	1.082	.412	.121	.116	9.302

## UNIT COST CURVES

	CALC SLOPE	CALC FIRST COST	UNIT 100	R2
AIRFRAME	.829	29.397	8.453	.962
AIRFRAME & ENGINE	.844	29.563	9.604	.959
TOTAL FLYAWAY	.859	28.623	10.461	.911

## AIRFRAME

FY	PLOT POINT QUANTITY	FISCAL YEAR AVERAGE COST (ACTUAL, \$M)	FISCAL YEAR AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
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61	5	20.788	19.114	1.674	8.05
62	23	12.831	12.617	.214	1.67
63	55	8.488	9.926	-1.438	16.94
64	101	8.218	8.425	-.205	2.49
65	157	7.191	7.480	-.289	4.02
66	244	6.293	6.641	-.348	5.53
67	333	6.112	6.102	.010	.16
68	403	6.429	5.794	.635	9.88
69	461	5.988	5.588	.400	6.68

## AIRFRAME &amp; ENGINE

FY	PLOT POINT QUANTITY	FISCAL YEAR AVERAGE COST (ACTUAL, \$M)	FISCAL YEAR AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
--	-----	-----	-----	-----	-----
61	5	21.855	20.012	1.843	8.43
62	23	13.855	13.781	.074	.53
63	55	9.611	11.101	-1.490	15.50
64	101	9.231	9.574	-.343	3.72
65	157	8.271	8.601	-.330	3.99
66	244	7.405	7.726	-.321	4.33
67	333	7.209	7.158	.051	.71
68	403	7.487	6.831	.656	8.76
69	461	7.098	6.612	.486	6.85

## TOTAL FLYAWAY

FY	PLOT POINT QUANTITY	FISCAL YEAR AVERAGE COST (ACTUAL, \$M)	FISCAL YEAR AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
--	-----	-----	-----	-----	-----
61	5	22.611	20.151	2.460	10.88
62	23	14.444	14.449	-.004	.03
63	55	10.157	11.907	-1.750	17.23
64	101	9.667	10.430	-.763	7.89
65	157	9.137	9.476	-.339	3.71
66	244	8.267	8.609	-.342	4.14
67	333	7.873	8.040	-.167	2.12
68	403	7.931	7.711	.220	2.77
69	461	9.063	7.489	1.574	17.37

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## CUMULATIVE AVERAGE COST CURVES

	CALC SLOPE	CALC FIRST COST	CAC(100)	R2
AIRFRAME	.822	41.344	11.286	.996
AIRFRAME & ENGINE	.837	40.664	12.421	.995
TOTAL FLYAWAY	.845	40.247	13.123	.991

## AIRFRAME

FY	CUMULATIVE QUANTITY	CUMULATIVE AVERAGE COST (ACTUAL,\$M)	CUMULATIVE AVERAGE COST (ESTIMATED,\$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
61	12	20.788	20.519	.269	1.29
62	35	15.559	15.174	.385	2.47
63	78	11.661	12.105	-.444	3.81
64	126	10.349	10.574	-.225	2.17
65	190	9.286	9.418	-.132	1.42
66	302	8.176	8.265	-.089	1.09
67	365	7.819	7.835	-.016	.20
68	443	7.575	7.419	.156	2.06
69	479	7.455	7.257	.198	2.66

## AIRFRAME &amp; ENGINE

FY	CUMULATIVE QUANTITY	CUMULATIVE AVERAGE COST (ACTUAL,\$M)	CUMULATIVE AVERAGE COST (ESTIMATED,\$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
61	12	21.855	21.443	.412	1.89
62	35	16.598	16.276	.322	1.94
63	78	12.746	13.241	-.495	3.88
64	126	11.407	11.703	-.296	2.59
65	190	10.351	10.528	-.177	1.71
66	302	9.258	9.344	-.086	.93
67	365	8.904	8.899	.005	.06
68	443	8.655	8.466	.189	2.18
69	479	8.538	8.297	.241	2.82

## TOTAL FLYAWAY

FY	CUMULATIVE QUANTITY	CUMULATIVE AVERAGE COST (ACTUAL,\$M)	CUMULATIVE AVERAGE COST (ESTIMATED,\$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
61	12	22.611	21.984	.627	2.77
62	35	17.244	16.942	.302	1.75
63	78	13.337	13.940	-.603	4.52
64	126	11.939	12.405	-.466	3.90
65	190	10.995	11.225	-.230	2.09
66	302	9.983	10.028	-.045	.45
67	365	9.619	9.576	.043	.45
68	443	9.322	9.135	.187	2.01
69	479	9.302	8.963	.339	3.64

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**PHYSICAL AND PERFORMANCE  
CHARACTERISTICS**

MANUFACTURER:	GRUMMAN
WING (FIXED/ROTARY):	FIXED
CTOL/VSTOL/STOL/OTHER:	CTOL
AIRFRAME PERFORMANCE:	12.13
AIRCRAFT SYSTEM PERFORMANCE:	22.4
ENGINE NUMBER:	J52-P-8
NUMBER OF ENGINES:	2
SERVICE:	NAVY

**TOTAL OBLIGATIONAL AUTHORITY  
(MILLIONS OF THEN-YEAR DOLLARS)**

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
70	12	53.089	6.874	1.953	.422	.609	62.947
71	12	51.241	6.924	4.425	.409	.699	63.698
72	12	52.290	7.897	5.539	.405	.807	66.938
73	21	76.323	14.460	9.332	.306	1.409	107.862
74	13	51.006	9.437	13.938	.234	.895	81.743
75	12	53.006	10.778	16.401	.840	.874	81.899
76	11	55.078	6.352	35.719	.965	.756	106.470
77	6	45.835	3.913	19.168	.548	.536	70.000
78	12	74.057	15.640	34.782	1.085	1.183	126.747
79	12	82.365	21.273	37.685	1.153	1.256	149.234

**MILLIONS OF CONSTANT FY81 DOLLARS**

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
70	12	116.962	15.144	4.303	.930	1.342	138.680
71	12	107.423	14.516	9.277	.857	1.465	133.539
72	12	103.320	15.604	10.944	.800	1.595	132.262
73	21	132.944	25.187	16.255	.533	2.454	187.880
74	13	84.043	15.550	22.966	.386	1.475	134.689
75	12	81.762	16.625	25.298	1.296	1.348	126.329
76	11	79.215	9.136	51.372	1.388	1.087	153.128
77	6	59.066	5.043	24.701	.706	.691	90.206
78	12	86.667	18.303	40.705	1.270	1.384	148.329
79	12	85.568	22.047	39.056	1.195	1.302	154.663
TOTAL	123	936.970	157.154	244.877	9.360	14.143	1399.706

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FISCAL YEAR LOT AVERAGE COSTS  
(MILLIONS OF CONSTANT FY81 DOLLARS)

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
70	12	9.747	1.262	.359	.077	.112	11.557
71	12	8.952	1.210	.773	.071	.122	11.128
72	12	8.610	1.300	.912	.067	.133	11.022
73	21	6.331	1.199	.774	.025	.117	8.947
74	13	6.465	1.196	1.767	.030	.113	10.361
75	12	6.813	1.385	2.108	.108	.112	10.527
76	11	7.201	.831	4.670	.126	.099	13.921
77	6	9.844	.840	4.117	.118	.115	15.034
78	12	7.222	1.525	3.392	.106	.115	12.361
79	12	7.131	1.837	3.255	.100	.108	12.889
TOTAL	123	7.618	1.278	1.991	.076	.115	11.380

CUMULATIVE AVERAGE COSTS  
(MILLIONS OF CONSTANT FY81 DOLLARS)

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
70	12	9.747	1.262	.359	.077	.112	11.557
71	24	9.349	1.236	.566	.074	.117	11.342
72	36	9.103	1.257	.681	.072	.122	11.236
73	57	8.082	1.236	.715	.055	.120	10.392
74	70	7.781	1.229	.911	.050	.119	10.386
75	82	7.640	1.252	1.086	.059	.118	10.407
76	93	7.588	1.202	1.510	.067	.116	10.823
77	99	7.725	1.180	1.668	.070	.116	11.078
78	111	7.670	1.217	1.854	.074	.116	11.217
79	123	7.618	1.278	1.991	.076	.115	11.380

## UNIT COST CURVES

	CALC SLOPE	CALC FIRST COST	UNIT 100	R2
AIRFRAME	.937	11.105	7.224	.305
AIRFRAME & ENGINE	.948	12.149	8.518	.296
TOTAL FLYAWAY	1.036	9.550	12.093	.107

## AIRFRAME

FY	PLOT POINT QUANTITY	FISCAL YEAR AVERAGE COST (ACTUAL, \$M)	FISCAL YEAR AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
70	5	9.747	9.528	.219	2.25
71	18	8.952	8.472	.480	5.36
72	30	8.610	8.076	.534	6.20
73	47	6.331	7.758	-1.427	22.54
74	64	6.465	7.532	-1.067	16.50
75	76	6.813	7.407	-.594	8.72
76	88	7.201	7.311	-.110	1.53
77	96	9.844	7.248	2.596	26.37
78	105	7.222	7.188	.034	.47
79	117	7.131	7.116	.015	.21

## AIRFRAME &amp; ENGINE

FY	PLOT POINT QUANTITY	FISCAL YEAR AVERAGE COST (ACTUAL, \$M)	FISCAL YEAR AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
70	5	11.009	10.702	.307	2.79
71	18	10.162	9.716	.446	4.39
72	30	9.910	9.340	.570	5.75
73	47	7.530	9.035	-1.505	19.99
74	64	7.661	8.818	-1.157	15.10
75	76	8.199	8.697	-.498	6.07
76	88	8.032	8.603	-.571	7.11
77	96	10.685	8.542	2.143	20.06
78	105	8.748	8.484	.264	3.02
79	117	8.968	8.413	.555	6.19

## TOTAL FLYAWAY

FY	PLOT POINT QUANTITY	FISCAL YEAR AVERAGE COST (ACTUAL, \$M)	FISCAL YEAR AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
70	5	11.357	10.408	1.149	9.94
71	18	11.128	11.081	.047	.42
72	30	11.022	11.375	-.353	3.20
73	47	8.947	11.629	-2.682	29.98
74	64	10.361	11.819	-1.458	14.07
75	76	10.527	11.928	-1.401	13.31
76	88	13.921	12.014	1.907	13.70
77	96	15.034	12.071	2.963	19.71
78	105	12.361	12.126	.235	1.90
79	117	12.889	12.193	.696	5.40

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## CUMULATIVE AVERAGE COST CURVES

	CALC SLOPE	CALC FIRST COST	CAC(100)	R2
AIRFRAME	.917	13.577	7.656	--
AIRFRAME & ENGINE	.927	14.746	8.883	.929
TOTAL FLYAWAY	.985	11.967	10.846	.154

## AIRFRAME

FY	CUMULATIVE QUANTITY	CUMULATIVE AVERAGE COST (ACTUAL, \$M)	CUMULATIVE AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
70	12	9.747	9.967	-.220	2.26
71	24	9.349	9.144	.205	2.19
72	36	9.103	8.694	.409	4.49
73	57	8.082	8.211	-.129	1.60
74	70	7.781	8.004	-.223	2.87
75	82	7.640	7.848	-.208	2.72
76	93	7.588	7.726	-.138	1.82
77	99	7.725	7.666	.059	.76
78	111	7.670	7.558	.112	1.46
79	123	7.618	7.462	.156	2.05

## AIRFRAME &amp; ENGINE

FY	CUMULATIVE QUANTITY	CUMULATIVE AVERAGE COST (ACTUAL, \$M)	CUMULATIVE AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
70	12	11.009	11.218	-.209	1.90
71	24	10.585	10.394	.191	1.80
72	36	10.360	9.940	.420	4.05
73	57	9.318	9.450	-.132	1.42
74	70	9.010	9.238	-.228	2.53
75	82	8.891	9.079	-.188	2.11
76	93	8.790	8.954	-.164	1.87
77	99	8.904	8.892	.012	.13
78	111	8.887	8.781	.106	1.19
79	123	8.895	8.683	.212	2.38

## TOTAL FLYAWAY

FY	CUMULATIVE QUANTITY	CUMULATIVE AVERAGE COST (ACTUAL, \$M)	CUMULATIVE AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
70	12	11.557	11.348	.209	1.81
71	24	11.342	11.182	.160	1.41
72	36	11.236	11.085	.151	1.34
73	57	10.392	10.977	-.585	5.63
74	70	10.386	10.929	-.543	5.23
75	82	10.407	10.892	-.485	4.66
76	93	10.823	10.863	-.040	.37
77	99	11.078	10.849	.229	2.07
78	111	11.217	10.822	.395	3.52
79	123	11.380	10.799	.581	5.11

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**PHYSICAL AND PERFORMANCE  
CHARACTERISTICS**

MANUFACTURER:	VOUGHT
WING (FIXED/ROTARY):	FIXED
CTOL/VSTOL/STOL/OTHER:	CTOL
AIRFRAME PERFORMANCE:	11.57
AIRCRAFT SYSTEM PERFORMANCE:	12.10
ENGINE NUMBER:	TF30-P-6
NUMBER OF ENGINES:	1
SERVICE:	NAVY

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TOTAL OBLIGATIONAL AUTHORITY  
(MILLIONS OF THEN-YEAR DOLLARS)

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
65	35	57.081	18.368	5.686	2.980	2.619	86.734
66	157	113.225	68.471	20.606	10.087	7.869	220.257

## MILLIONS OF CONSTANT FY81 DOLLARS

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
65	35	157.465	50.670	15.686	8.221	7.225	239.266
66	157	294.857	178.310	53.661	26.268	20.492	573.586
<b>TOTAL</b>	<b>192</b>	<b>452.322</b>	<b>228.980</b>	<b>69.347</b>	<b>34.489</b>	<b>27.717</b>	<b>812.852</b>

FISCAL YEAR LOT AVERAGE COSTS  
(MILLIONS OF CONSTANT FY81 DOLLARS)

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
65	35	4.499	1.448	.448	.235	.206	6.836
66	157	1.878	1.136	.342	.167	.131	3.653
<b>TOTAL</b>	<b>192</b>	<b>2.356</b>	<b>1.193</b>	<b>.361</b>	<b>.180</b>	<b>.144</b>	<b>4.234</b>

CUMULATIVE AVERAGE COSTS  
(MILLIONS OF CONSTANT FY81 DOLLARS)

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
65	35	4.499	1.448	.448	.235	.206	6.836
66	192	2.356	1.193	.361	.180	.144	4.234

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**PHYSICAL AND PERFORMANCE  
CHARACTERISTICS**

MANUFACTURER: VOUGHT

WING (FIXED/ROTARY): FIXED

CTOL/VSTOL/STOL/OTHER: CTOL

AIRFRAME PERFORMANCE: 11.57

AIRCRAFT SYSTEM PERFORMANCE: 12.10

ENGINE NUMBER: TF30-P-408

NUMBER OF ENGINES: 1

SERVICE: NAVY

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**TOTAL OBLIGATIONAL AUTHORITY  
(MILLIONS OF THEN-YEAR DOLLARS)**

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
67	196	190.815	73.991	21.989	12.619	8.289	307.703

**MILLIONS OF CONSTANT FY81 DOLLARS**

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
67	196	475.492	184.378	54.794	31.445	20.655	766.766
<b>TOTAL</b>	<b>196</b>	<b>475.492</b>	<b>184.378</b>	<b>54.794</b>	<b>31.445</b>	<b>20.655</b>	<b>766.766</b>

**FISCAL YEAR LOT AVERAGE COSTS  
(MILLIONS OF CONSTANT FY81 DOLLARS)**

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
67	196	2.426	.941	.280	.160	.105	3.912
<b>TOTAL</b>	<b>196</b>	<b>2.426</b>	<b>.941</b>	<b>.280</b>	<b>.160</b>	<b>.105</b>	<b>3.912</b>

**CUMULATIVE AVERAGE COSTS  
(MILLIONS OF CONSTANT FY81 DOLLARS)**

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
67	196	2.426	.941	.280	.160	.105	3.912

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**PHYSICAL AND PERFORMANCE  
CHARACTERISTICS**

MANUFACTURER:	VOUGHT
WING (FIXED/ROTARY):	FIXED
CTOL/VSTOL/STOL/OTHER:	CTOL
AIRFRAME PERFORMANCE:	10.73
AIRCRAFT SYSTEM PERFORMANCE:	16.17
ENGINE NUMBER:	TF41-A-1
NUMBER OF ENGINES:	1
SERVICE:	AIR FORCE

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**TOTAL OBLIGATIONAL AUTHORITY  
(MILLIONS OF THEN-YEAR DOLLARS)**

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
67	5	10.345	1.835	2.100	.200	1.150	15.630*
68	12	19.008	4.404	4.860	.396	.900	29.568
69	57	68.571	20.919	23.484	1.653	2.964	117.591
70	128	150.912	49.280	56.704	3.712	9.216	269.824
71	88	103.840	44.968	38.984	2.552	5.896	196.240
72	97	123.966	50.925	46.560	2.813	1.940	226.204
73	24	37.392	12.648	14.640	.720	.480	65.880
74	24	37.800	14.064	15.984	.744	.480	69.072
75	24	42.567	15.696	18.144	.840	.528	77.775

**MILLIONS OF CONSTANT FY81 DOLLARS**

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
67	5	25.537	4.530	5.184	.494	2.839	38.583*
68	12	45.257	10.486	11.571	.943	2.143	70.400
69	57	156.483	47.738	53.592	3.772	6.764	268.350
70	128	328.284	107.200	123.350	8.075	20.048	586.957
71	88	214.501	92.890	80.529	5.272	12.179	405.371
72	97	239.872	98.539	90.093	5.443	3.754	437.701
73	24	66.569	22.517	26.064	1.282	.855	117.287
74	24	61.644	22.935	26.067	1.213	.783	112.642
75	24	64.437	23.760	27.466	1.272	.799	117.734
<b>TOTAL</b>	<b>459</b>	<b>1202.585</b>	<b>430.596</b>	<b>443.915</b>	<b>27.765</b>	<b>50.163</b>	<b>2155.024</b>

\* = R&D LOT DATA

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FISCAL YEAR LOT AVERAGE COSTS  
(MILLIONS OF CONSTANT FY81 DOLLARS)

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
67	5	5.107	.906	1.037	.099	.568	7.717*
68	12	5.771	.874	.964	.079	.179	5.867
69	57	2.745	.838	.940	.066	.119	4.708
70	128	2.565	.838	.964	.063	.157	4.586
71	88	2.438	1.056	.915	.060	.138	4.606
72	97	2.473	1.016	.929	.056	.039	4.512
73	24	2.774	.938	1.086	.053	.036	4.887
74	24	2.568	.956	1.086	.051	.033	4.693
75	24	2.685	.990	1.144	.053	.033	4.906
TOTAL	459	2.620	.938	.967	.060	.109	4.695

CUMULATIVE AVERAGE COSTS  
(MILLIONS OF CONSTANT FY81 DOLLARS)

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
68	12	3.771	.874	.964	.079	.179	5.867
69	69	2.924	.844	.944	.068	.129	4.909
70	197	2.690	.840	.957	.065	.147	4.699
71	285	2.612	.906	.944	.063	.144	4.670
72	382	2.577	.934	.940	.062	.118	4.630
73	406	2.589	.934	.949	.061	.113	4.645
74	430	2.587	.936	.956	.060	.108	4.648
75	454	2.593	.938	.966	.060	.104	4.662

\* = R&amp;D LOT DATA

## UNIT COST CURVES

	CALC SLOPE	FIRST COST	UNIT 100	R2
AIRFRAME	.950	3.935	2.795	.705
AIRFRAME & ENGINE	.967	4.671	3.734	.594
TOTAL FLYAWAY	.973	5.882	4.895	.556

## AIRFRAME

FY	PLOT POINT QUANTITY	FISCAL YEAR AVERAGE COST (ACTUAL, \$M)	FISCAL YEAR AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
68	5	3.771	3.483	.288	7.64
69	37	2.745	3.010	-.265	9.65
70	128	2.565	2.745	-.180	7.02
71	240	2.438	2.619	-.181	7.42
72	333	2.473	2.357	-.084	3.40
73	394	2.774	2.525	.249	8.98
74	418	2.568	2.513	.055	2.14
75	442	2.685	2.503	.182	6.78

## AIRFRAME &amp; ENGINE

FY	PLOT POINT QUANTITY	FISCAL YEAR AVERAGE COST (ACTUAL, \$M)	FISCAL YEAR AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
68	5	4.645	4.310	.335	7.21
69	37	3.583	3.918	-.335	9.35
70	128	3.402	3.689	-.287	8.44
71	240	3.493	3.578	-.085	2.43
72	333	3.489	3.522	-.033	.95
73	394	3.712	3.493	.219	5.90
74	418	3.524	3.483	.041	1.16
75	442	3.675	3.473	.202	5.50

## TOTAL FLYAWAY

FY	PLOT POINT QUANTITY	FISCAL YEAR AVERAGE COST (ACTUAL, \$M)	FISCAL YEAR AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
68	5	5.867	5.406	.361	6.15
69	37	4.708	5.092	-.384	8.16
70	128	4.586	4.847	-.261	5.69
71	240	4.606	4.727	-.121	2.63
72	333	4.512	4.666	-.154	3.41
73	394	4.887	4.634	.253	5.18
74	418	4.693	4.623	.070	1.49
75	442	4.906	4.613	.293	5.97

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## CUMULATIVE AVERAGE COST CURVES

	CALC SLOPE	CALC FIRST COST	CAC(100)	R2
AIRFRAME	.932	4.706	2.950	.960
AIRFRAME & ENGINE	.951	5.382	3.847	.907
TOTAL FLYAWAY	.959	6.638	5.012	.915

## AIRFRAME

FY	CUMULATIVE QUANTITY	CUMULATIVE AVERAGE COST (ACTUAL, \$M)	CUMULATIVE AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
68	12	3.771	3.657	.114	3.02
69	69	2.924	3.063	-.139	4.75
70	197	2.690	2.753	-.063	2.34
71	285	2.612	2.652	-.040	1.53
72	382	2.577	2.575	.002	.08
73	406	2.589	2.559	.030	1.16
74	430	2.587	2.544	.043	1.66
75	454	2.593	2.530	.063	2.43

## AIRFRAME &amp; ENGINE

FY	CUMULATIVE QUANTITY	CUMULATIVE AVERAGE COST (ACTUAL, \$M)	CUMULATIVE AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
68	12	4.645	4.490	.155	3.34
69	69	3.768	3.953	-.185	4.91
70	197	3.550	3.662	-.132	3.74
71	285	3.519	3.564	-.045	1.28
72	382	3.511	3.489	.022	.63
73	406	3.523	3.473	.050	1.42
74	430	3.523	3.459	.064	1.82
75	454	3.531	3.445	.086	2.44

## TOTAL FLYAWAY

FY	CUMULATIVE QUANTITY	CUMULATIVE AVERAGE COST (ACTUAL, \$M)	CUMULATIVE AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
68	12	5.867	5.704	.163	2.78
69	69	4.909	5.127	-.218	4.44
70	197	4.699	4.809	-.110	2.34
71	285	4.670	4.702	-.032	.69
72	382	4.630	4.619	.011	.24
73	406	4.645	4.602	.043	.93
74	430	4.648	4.586	.062	1.33
75	454	4.662	4.570	.092	1.97

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**PHYSICAL AND PERFORMANCE  
CHARACTERISTICS**

MANUFACTURER:	VOUGHT
WING (FIXED/ROTARY):	FIXED
CTOL/VSTOL/STOL/OTHER:	CTOL
AIRFRAME PERFORMANCE:	11.59
AIRCRAFT SYSTEM PERFORMANCE:	19.77
ENGINE NUMBER:	TF41-A-2
NUMBER OF ENGINES:	1
SERVICE:	NAVY

**TOTAL OBLIGATIONAL AUTHORITY  
(MILLIONS OF THEN-YEAR DOLLARS)**

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
67	7	42,053	2,640	.718	.373	.250	46,034*
68	150	239,567	62,361	9,295	7,012	4,752	322,987
69	160	246,268	68,116	9,839	7,075	4,944	336,242
70	27	45,305	12,176	3,251	1,339	1,143	63,414
71	30	53,440	13,828	3,846	1,407	1,198	73,719
72	24	46,257	9,793	3,701	.913	1,177	61,841
73	48	95,848	28,960	17,958	1,806	2,503	147,075
74	30	58,581	19,477	18,618	1,185	1,643	99,504
75	30	61,595	19,818	15,724	1,195	1,046	99,378
76	30	68,411	27,721	21,688	1,278	1,552	129,192
77	30	88,318	35,162	17,821	1,482	1,570	146,497
78	12	50,808	16,990	7,840	.590	.747	76,975
79	12	46,147	18,865	8,938	.291	.858	75,099

**MILLIONS OF CONSTANT FY81 DOLLARS**

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
67	7	104,792	6,579	1,789	.929	.623	114,712*
68	150	576,298	150,014	22,360	16,868	11,431	776,971
69	160	568,748	157,312	22,723	16,339	11,418	776,540
70	27	99,813	26,825	7,162	2,950	2,518	139,709
71	30	112,034	28,990	8,063	2,950	2,512	154,547
72	24	91,399	19,350	7,313	1,804	2,326	122,191
73	48	166,953	50,444	31,280	3,146	4,360	256,184
74	30	96,525	32,093	30,677	1,953	2,707	163,955
75	30	95,010	30,569	24,254	1,843	1,613	153,290
76	30	98,391	39,869	31,192	1,838	2,232	185,808
77	30	113,812	45,312	22,965	1,910	2,023	188,785
78	12	59,459	19,883	9,175	.690	.874	90,082
79	12	47,826	19,551	9,263	.302	.889	77,831
<b>TOTAL</b>	<b>590</b>	<b>2231,059</b>	<b>626,791</b>	<b>228,217</b>	<b>53,522</b>	<b>45,527</b>	<b>3200,605</b>

\*\* = R&D LOT DATA

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FISCAL YEAR LOT AVERAGE COSTS  
(MILLIONS OF CONSTANT FY81 DOLLARS)

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
67	7	14.970	.940	.256	.133	.089	16.387*
68	150	3.842	1.000	.149	.112	.076	5.180
69	160	3.555	.983	.142	.102	.071	4.853
70	27	3.697	.994	.265	.109	.093	5.174
71	30	3.734	.966	.269	.098	.084	5.152
72	24	3.808	.806	.305	.075	.097	5.091
73	48	3.478	1.051	.652	.066	.091	5.337
74	30	3.217	1.070	1.023	.065	.090	5.465
75	30	3.167	1.019	.808	.061	.054	5.110
76	30	3.280	1.329	1.040	.061	.074	6.194
77	30	3.794	1.510	.766	.064	.067	6.293
78	12	4.955	1.657	.765	.058	.073	7.507
79	12	3.985	1.629	.772	.025	.074	6.486
TOTAL	590	3.781	1.062	.387	.091	.077	5.425

CUMULATIVE AVERAGE COSTS  
(MILLIONS OF CONSTANT FY81 DOLLARS)

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
68	150	3.842	1.000	.149	.112	.076	5.180
69	310	3.694	.991	.145	.107	.074	5.011
70	337	3.694	.992	.155	.107	.075	5.024
71	367	3.697	.989	.164	.107	.076	5.035
72	391	3.704	.978	.173	.105	.077	5.038
73	439	3.679	.986	.225	.100	.079	5.071
74	469	3.650	.992	.276	.098	.079	5.096
75	499	3.621	.993	.308	.096	.078	5.097
76	529	3.601	1.012	.350	.094	.078	5.159
77	559	3.612	1.039	.372	.092	.077	5.220
78	571	3.640	1.052	.380	.092	.077	5.268
79	583	3.647	1.064	.388	.090	.077	5.293

\*\*\* = R&amp;D LOT DATA

## UNIT COST CURVES

	CALC SLOPE	CALC FIRST COST	UNIT 100	R2
AIRFRAME	1.000	3.698	3.687	.000
AIRFRAME & ENGINE	1.028	3.814	4.595	.041
TOTAL FLYAWAY	1.075	3.029	4.903	.251

## AIRFRAME

FY	PLOT POINT QUANTITY	FISCAL YEAR AVERAGE COST (ACTUAL, \$M)	FISCAL YEAR AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
68	56	3.842	3.689	.153	3.98
69	226	3.555	3.685	-.130	3.66
70	323	3.697	3.684	.013	.35
71	352	3.734	3.684	.050	1.34
72	379	3.808	3.684	.124	3.26
73	415	3.478	3.684	-.206	5.92
74	454	3.217	3.684	-.467	14.52
75	484	3.167	3.683	-.516	16.29
76	514	3.280	3.683	-.403	12.29
77	544	3.794	3.683	.111	2.93
78	565	4.955	3.683	1.272	25.67
79	577	3.985	3.683	.302	7.58

## AIRFRAME &amp; ENGINE

FY	PLOT POINT QUANTITY	FISCAL YEAR AVERAGE COST (ACTUAL, \$M)	FISCAL YEAR AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
68	57	4.842	4.493	.349	7.21
69	226	4.538	4.749	-.211	4.65
70	323	4.690	4.819	-.129	2.75
71	352	4.701	4.835	-.134	2.85
72	379	4.615	4.850	-.235	5.09
73	415	4.529	4.867	-.338	7.46
74	454	4.287	4.885	-.598	13.95
75	484	4.186	4.898	-.712	17.01
76	514	4.609	4.910	-.301	6.53
77	544	5.304	4.921	.383	7.22
78	565	6.612	4.929	1.683	25.45
79	577	5.615	4.933	.682	12.15

## TOTAL FLYAWAY

FY	PLOT POINT QUANTITY	FISCAL YEAR AVERAGE COST (ACTUAL, \$M)	FISCAL YEAR AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
68	59	5.180	4.640	.540	10.42
69	226	4.853	5.340	-.487	10.04
70	323	5.174	5.545	-.371	7.17
71	352	5.152	5.594	-.442	8.58
72	379	5.091	5.637	-.546	10.72
73	415	5.337	5.691	-.354	6.63
74	454	5.465	5.745	-.280	5.12
75	484	5.110	5.783	-.673	13.17
76	514	6.194	5.820	.374	6.04
77	544	6.293	5.854	.439	6.98
78	565	7.507	5.878	1.629	21.70
79	577	6.486	5.890	.596	9.19

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## CUMULATIVE AVERAGE COST CURVES

	CALC SLOPE	CALC FIRST COST	CAC(100)	R2
AIRFRAME	.971	4.750	3.901	.898
AIRFRAME & ENGINE	.982	5.472	4.855	.620
TOTAL FLYAWAY	1.012	4.619	5.000	.120

## AIRFRAME

FY	CUMULATIVE QUANTITY	CUMULATIVE AVERAGE COST (ACTUAL, \$M)	CUMULATIVE AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
68	150	3.842	3.834	.008	.21
69	310	3.694	3.717	-.023	.62
70	337	3.694	3.704	-.009	.27
71	367	3.697	3.690	.007	.19
72	391	3.704	3.680	.024	.65
73	439	3.679	3.662	.017	.46
74	469	3.650	3.652	-.001	.05
75	499	3.621	3.642	-.021	.58
76	529	3.601	3.633	-.032	.89
77	559	3.612	3.625	-.013	.36
78	571	3.640	3.621	.019	.52
79	583	3.647	3.618	.029	.80

## AIRFRAME &amp; ENGINE

FY	CUMULATIVE QUANTITY	CUMULATIVE AVERAGE COST (ACTUAL, \$M)	CUMULATIVE AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
68	150	4.842	4.804	.038	.78
69	310	4.685	4.715	-.030	.64
70	337	4.685	4.704	-.019	.41
71	367	4.687	4.694	-.006	.15
72	391	4.682	4.686	-.003	.09
73	439	4.666	4.672	-.005	.13
74	469	4.641	4.664	-.023	.50
75	499	4.614	4.657	-.043	.93
76	529	4.614	4.650	-.036	.78
77	559	4.651	4.643	.008	.17
78	571	4.692	4.640	.052	1.11
79	583	4.711	4.638	.073	1.55

## TOTAL FLYAWAY

FY	CUMULATIVE QUANTITY	CUMULATIVE AVERAGE COST (ACTUAL, \$M)	CUMULATIVE AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
68	150	5.180	5.035	.145	2.80
69	310	5.011	5.099	-.088	1.76
70	337	5.024	5.106	-.082	1.63
71	367	5.035	5.114	-.079	1.57
72	391	5.038	5.119	-.081	1.61
73	439	5.071	5.130	-.059	1.16
74	469	5.096	5.135	-.039	.77
75	499	5.097	5.141	-.044	.86
76	529	5.159	5.146	.013	.25
77	559	5.220	5.151	.069	1.32
78	571	5.268	5.153	.115	2.18
79	583	5.293	5.155	.138	2.61

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PHYSICAL AND PERFORMANCE  
CHARACTERISTICS

MANUFACTURER:	VOUGHT
WING (FIXED/ROTARY):	FIXED
CTOL/VSTOL/STOL/OTHER:	CTOL
AIRFRAME PERFORMANCE:	11.57
AIRCRAFT SYSTEM PERFORMANCE:	12.10
ENGINE NUMBER:	TF30-P-6
NUMBER OF ENGINES:	1
SERVICE:	NAVY

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TOTAL OBLIGATIONAL AUTHORITY  
(MILLIONS OF THEN-YEAR DOLLARS)

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
65	35	57.081	18.368	5.686	2.980	2.619	86.734
66	157	113.225	68.471	20.606	10.087	7.869	220.257
67	196	190.815	73.991	21.989	12.619	8.289	307.703

## MILLIONS OF CONSTANT FY81 DOLLARS

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
65	35	157.465	50.670	15.686	8.221	7.225	239.266
66	157	294.857	178.310	53.661	26.268	20.492	573.586
67	196	475.492	184.378	54.794	31.445	20.655	766.766
<b>TOTAL</b>	<b>388</b>	<b>927.814</b>	<b>413.359</b>	<b>124.141</b>	<b>65.934</b>	<b>48.372</b>	<b>1579.618</b>

FISCAL YEAR LOT AVERAGE COSTS  
(MILLIONS OF CONSTANT FY81 DOLLARS)

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
65	35	4.499	1.448	.448	.235	.206	6.836
66	157	1.878	1.136	.342	.167	.131	3.653
67	196	2.426	.941	.280	.160	.105	3.912
<b>TOTAL</b>	<b>388</b>	<b>2.391</b>	<b>1.065</b>	<b>.320</b>	<b>.170</b>	<b>.125</b>	<b>4.071</b>

CUMULATIVE AVERAGE COSTS  
(MILLIONS OF CONSTANT FY81 DOLLARS)

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
65	35	4.499	1.448	.448	.235	.206	6.836
66	192	2.356	1.193	.361	.180	.144	4.234
67	388	2.391	1.065	.320	.170	.125	4.071

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## UNIT COST CURVES

	CALC SLOPE	CALC FIRST COST	UNIT 100	R2
AIRFRAME	.852	7.336	2.532	.662
AIRFRAME & ENGINE	.868	9.408	3.665	.783
TOTAL FLYAWAY	.872	10.747	4.314	.825

## AIRFRAME

FY	PLOT POINT QUANTITY	FISCAL YEAR AVERAGE COST (ACTUAL, \$M)	FISCAL YEAR AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
65	13	4.499	4.079	.420	9.34
66	101	1.878	2.525	-.647	34.45
67	284	2.426	1.991	.435	17.93

## AIRFRAME &amp; ENGINE

FY	PLOT POINT QUANTITY	FISCAL YEAR AVERAGE COST (ACTUAL, \$M)	FISCAL YEAR AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
65	13	5.947	5.579	.368	6.19
66	102	3.014	3.653	-.639	21.20
67	284	3.367	2.961	.406	12.06

## TOTAL FLYAWAY

FY	PLOT POINT QUANTITY	FISCAL YEAR AVERAGE COST (ACTUAL, \$M)	FISCAL YEAR AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
65	13	6.836	6.476	.360	5.27
66	102	3.653	4.300	-.647	17.71
67	284	3.912	3.508	.404	10.33

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## CUMULATIVE AVERAGE COST CURVES

	CALC SLOPE	CALC FIRST COST	CAC(100)	R2
AIRFRAME	.821	11.922	3.217	.908
AIRFRAME & ENGINE	.847	13.619	4.511	.941
TOTAL FLYAWAY	.854	15.044	5.272	.952

## AIRFRAME

FY	CUMULATIVE QUANTITY	CUMULATIVE AVERAGE COST (ACTUAL, \$M)	CUMULATIVE AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
65	35	4.499	4.336	.163	3.62
66	192	2.356	2.672	-.316	13.41
67	388	2.391	2.187	.204	8.53

## AIRFRAME &amp; ENGINE

FY	CUMULATIVE QUANTITY	CUMULATIVE AVERAGE COST (ACTUAL, \$M)	CUMULATIVE AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
65	35	5.947	5.803	.144	2.42
66	192	3.548	3.857	-.309	8.71
67	388	3.457	3.258	.199	5.76

## TOTAL FLYAWAY

FY	CUMULATIVE QUANTITY	CUMULATIVE AVERAGE COST (ACTUAL, \$M)	CUMULATIVE AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
65	35	6.836	6.696	.140	2.05
66	192	4.234	4.545	-.311	7.35
67	388	4.071	3.872	.199	4.89

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**PHYSICAL AND PERFORMANCE  
CHARACTERISTICS**

MANUFACTURER:	FAIRCHILD
WING (FIXED/ROTARY):	FIXED
CTOL/VSTOL/STOL/OTHER:	CTOL
AIRFRAME PERFORMANCE:	11.03
AIRCRAFT SYSTEM PERFORMANCE:	12.12
ENGINE NUMBER:	TF34-GE-100
NUMBER OF ENGINES:	2
SERVICE:	AIR FORCE

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**TOTAL OBLIGATIONAL AUTHORITY  
(MILLIONS OF THEN-YEAR DOLLARS)**

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
75	22	84.500	22.400	13.300	10.600	.900	133.900
76	53	135.000	60.900	24.100	11.100	1.300	255.200
77	20	44.000	23.700	7.700	3.900	.400	89.100
77	100	260.000	112.700	43.100	22.100	10.000	460.200
78	144	371.900	171.300	69.500	25.600	29.800	674.800
79	144	377.800	181.400	85.700	30.400	28.200	712.200
80	144	460.100	220.600	90.100	28.300	2.800	805.600
81	60	295.500	123.900	52.400	15.400	1.400	488.600
82	20	149.000	50.200	24.300	8.700	7.100	239.300

**MILLIONS OF CONSTANT FY81 DOLLARS**

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
75	22	127.914	33.909	20.133	16.046	1.362	202.695
76	53	190.570	85.968	34.020	15.669	1.835	360.248
77	20	59.029	31.795	10.330	5.232	.537	119.533
77	100	329.114	142.658	54.557	27.975	12.658	582.532
78	144	428.604	197.418	80.097	29.503	34.344	777.688
79	144	388.164	186.376	88.051	31.234	28.974	731.737
80	144	432.832	207.526	84.760	26.623	2.634	757.855
81	60	250.000	104.822	44.332	13.029	1.184	413.367
82	20	117.954	39.740	19.237	6.887	5.621	189.440
<b>TOTAL</b>	<b>707</b>	<b>2324.181</b>	<b>1030.213</b>	<b>435.517</b>	<b>172.198</b>	<b>89.149</b>	<b>4135.095</b>

'7T' = TRANSITION QUARTER DATA

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FISCAL YEAR LOT AVERAGE COSTS  
(MILLIONS OF CONSTANT FY81 DOLLARS)

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
75	22	5.814	1.541	.915	.729	.062	9.213
76	53	3.596	1.622	.642	.296	.035	6.797
77T	20	2.951	1.590	.517	.262	.027	5.977
77	100	3.291	1.427	.546	.280	.127	5.825
78	144	2.976	1.371	.556	.205	.238	5.401
79	144	2.696	1.294	.611	.217	.201	5.082
80	144	3.006	1.441	.589	.185	.018	5.263
81	60	4.167	1.747	.739	.217	.020	6.889
82	20	5.898	1.987	.962	.344	.281	9.472
TOTAL	707	3.287	1.457	.616	.244	.126	5.849

CUMULATIVE AVERAGE COSTS  
(MILLIONS OF CONSTANT FY81 DOLLARS)

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
75	22	5.814	1.541	.915	.729	.062	9.213
76	75	4.246	1.598	.722	.423	.043	7.506
77T	95	3.974	1.597	.679	.389	.039	7.184
77	195	3.624	1.509	.610	.333	.084	6.487
78	339	3.349	1.451	.587	.279	.150	6.026
79	483	3.154	1.404	.595	.260	.165	5.744
80	627	3.120	1.413	.593	.243	.131	5.634
81	687	3.211	1.442	.606	.241	.122	5.743
82	707	3.287	1.457	.616	.244	.126	5.849

'7T' = TRANSITION QUARTER DATA

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## UNIT COST CURVES

	CALC SLOPE	CALC FIRST COST	UNIT 100	R2
AIRFRAME	.963	4.841	3.778	--
AIRFRAME & ENGINE	.974	6.375	5.346	.054
TOTAL FLYAWAY	.962	8.641	6.694	.123

## AIRFRAME

FY	PLOT POINT QUANTITY	FISCAL YEAR AVERAGE COST (ACTUAL, \$M)	FISCAL YEAR AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
75	9	5.814	4.303	1.511	25.99
76	46	3.596	3.938	-.342	9.51
77	85	2.951	3.811	-.860	29.14
77	142	3.291	3.707	-.416	12.64
78	264	2.976	3.586	-.610	20.50
79	409	2.696	3.502	-.806	29.90
80	553	3.006	3.446	-.440	14.64
81	657	4.167	3.414	.753	18.07
82	697	5.898	3.403	2.495	42.30

## AIRFRAME &amp; ENGINE

FY	PLOT POINT QUANTITY	FISCAL YEAR AVERAGE COST (ACTUAL, \$M)	FISCAL YEAR AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
75	9	7.356	5.863	1.493	20.30
76	46	5.218	5.506	-.288	5.52
77	85	4.541	5.379	-.838	18.45
77	142	4.718	5.275	-.557	11.81
78	264	4.347	5.152	-.805	18.52
79	409	3.990	5.066	-1.076	26.97
80	553	4.447	5.008	-.561	12.62
81	657	5.914	4.975	.939	15.88
82	697	7.885	4.964	2.921	37.05

## TOTAL FLYAWAY

FY	PLOT POINT QUANTITY	FISCAL YEAR AVERAGE COST (ACTUAL, \$M)	FISCAL YEAR AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
75	9	9.213	7.655	1.558	16.91
76	46	6.797	6.986	-.189	2.78
77	85	5.977	6.753	-.776	12.98
77	142	5.825	6.364	-.739	12.69
78	264	5.401	6.343	-.942	17.44
79	409	5.082	6.191	-1.109	21.82
80	553	5.263	6.088	-.825	15.68
81	657	6.889	6.030	.859	12.47
82	697	9.472	6.011	3.461	36.54

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## CUMULATIVE AVERAGE COST CURVES

	CALC SLOPE	FIRST COST	CAC(100)	R2
AIRFRAME	.894	8.815	4.196	.932
AIRFRAME & ENGINE	.915	10.336	5.748	.943
TOTAL FLYAWAY	.911	13.552	7.272	.973

## AIRFRAME

FY	CUMULATIVE QUANTITY	CUMULATIVE AVERAGE COST (ACTUAL, \$M)	CUMULATIVE AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
75	22	5.814	5.356	.458	7.88
76	75	4.246	4.395	-.149	3.51
7T	95	3.974	4.231	-.257	6.47
77	195	3.624	3.768	-.144	3.97
78	339	3.349	3.446	-.097	2.90
79	483	3.154	3.255	-.101	3.20
80	627	3.120	3.121	.000	.03
81	687	3.211	3.075	.136	4.24
82	707	3.287	3.061	.226	6.88

## AIRFRAME &amp; ENGINE

FY	CUMULATIVE QUANTITY	CUMULATIVE AVERAGE COST (ACTUAL, \$M)	CUMULATIVE AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
75	22	7.356	6.971	.385	5.23
76	75	5.845	5.962	-.117	2.00
7T	95	5.570	5.785	-.215	3.86
77	195	5.133	5.279	-.146	2.84
78	339	4.799	4.920	-.121	2.52
79	483	4.558	4.703	-.145	3.18
80	627	4.533	4.549	-.016	.35
81	687	4.653	4.496	.157	3.37
82	707	4.745	4.480	.265	5.58

## TOTAL FLYAWAY

FY	CUMULATIVE QUANTITY	CUMULATIVE AVERAGE COST (ACTUAL, \$M)	CUMULATIVE AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
75	22	9.213	8.923	.290	3.15
76	75	7.506	7.560	-.054	.72
7T	95	7.184	7.322	-.138	1.92
77	195	6.487	6.644	-.157	2.42
78	339	6.026	6.166	-.140	2.32
79	483	5.744	5.877	-.133	2.32
80	627	5.634	5.674	-.040	.71
81	687	5.743	5.604	.139	2.42
82	707	5.849	5.582	.267	4.56

'7T' = TRANSITION QUARTER DATA

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**PHYSICAL AND PERFORMANCE  
CHARACTERISTICS**

MANUFACTURER:	CESSNA
WING (FIXED/ROTARY):	FIXED
CTOL/VSTOL/STOL/OTHER:	STOL
AIRFRAME PERFORMANCE:	3.23
AIRCRAFT SYSTEM PERFORMANCE:	2.59
ENGINE NUMBER:	J85-GE-17A
NUMBER OF ENGINES:	2
SERVICE:	AIR FORCE

**TOTAL OBLIGATIONAL AUTHORITY  
(MILLIONS OF THEN-YEAR DOLLARS)**

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
67	57	11.799	5.871	1.767	0.000	12.597	32.034
68	121	18.513	12.705	3.388	0.000	8.591	43.197
69	113	17.854	12.656	3.277	0.000	11.978	45.765
70	36	6.084	4.752	1.008	0.000	3.384	15.228
71	81	13.527	10.935	1.458	0.000	6.237	32.157
73	60	14.123	9.241	1.738	0.000	4.949	30.051

**MILLIONS OF CONSTANT FY81 DOLLARS**

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
67	57	29.126	14.493	4.362	0.000	31.096	79.077
68	121	44.079	30.250	8.067	0.000	20.455	102.850
69	113	40.744	28.882	7.478	0.000	27.335	104.439
70	36	13.235	10.337	2.193	0.000	7.361	33.126
71	81	27.943	22.588	3.012	0.000	12.884	66.426
73	60	25.143	16.452	3.094	0.000	8.811	53.500
<b>TOTAL</b>	<b>468</b>	<b>180.269</b>	<b>123.002</b>	<b>28.206</b>	<b>0.000</b>	<b>107.941</b>	<b>439.418</b>

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FISCAL YEAR LOT AVERAGE COSTS  
(MILLIONS OF CONSTANT FY81 DOLLARS)

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
67	57	.511	.254	.077	0.000	.546	1.387
68	121	.364	.250	.067	0.000	.169	.850
69	113	.361	.256	.066	0.000	.242	.924
70	36	.368	.287	.061	0.000	.204	.920
71	81	.345	.279	.037	0.000	.159	.820
73	60	.419	.274	.052	0.000	.147	.892
<b>TOTAL</b>	<b>468</b>	<b>.385</b>	<b>.263</b>	<b>.060</b>	<b>0.000</b>	<b>.231</b>	<b>.939</b>

CUMULATIVE AVERAGE COSTS  
(MILLIONS OF CONSTANT FY81 DOLLARS)

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
67	57	.511	.254	.077	0.000	.546	1.387
68	178	.411	.251	.070	0.000	.290	1.022
69	291	.392	.253	.068	0.000	.271	.984
70	327	.389	.257	.068	0.000	.264	.977
71	408	.380	.261	.062	0.000	.243	.946
73	468	.385	.263	.060	0.000	.231	.939

## UNIT COST CURVES

	CALC SLOPE	CALC FIRST COST	UNIT 100	R2
AIRFRAME	.935	.642	.412	.556
AIRFRAME & ENGINE	.968	.840	.677	.373
TOTAL FLYAWAY	.904	2.008	1.028	.754

## AIRFRAME

FY	PLOT POINT QUANTITY	FISCAL YEAR AVERAGE COST (ACTUAL, \$M)	FISCAL YEAR AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
--					
67	21	.511	.479	.032	6.26
68	112	.364	.408	-.044	12.09
69	232	.361	.380	-.019	5.26
70	309	.368	.370	-.001	.54
71	367	.345	.364	-.019	5.51
73	438	.419	.358	.061	14.56

## AIRFRAME &amp; ENGINE

FY	PLOT POINT QUANTITY	FISCAL YEAR AVERAGE COST (ACTUAL, \$M)	FISCAL YEAR AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
--					
67	22	.765	.727	.038	4.97
68	112	.614	.673	-.059	9.61
69	233	.616	.650	-.034	5.52
70	309	.655	.642	.013	1.98
71	367	.624	.637	-.013	2.08
73	438	.693	.631	.062	8.95

## TOTAL FLYAWAY

FY	PLOT POINT QUANTITY	FISCAL YEAR AVERAGE COST (ACTUAL, \$M)	FISCAL YEAR AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
--					
67	21	1.387	1.292	.095	6.85
68	112	.850	1.012	-.162	19.06
69	232	.924	.910	.014	1.52
70	309	.920	.873	.047	5.11
71	367	.820	.851	-.031	3.78
73	438	.892	.830	.062	6.95

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## CUMULATIVE AVERAGE COST CURVES

	CALC SLOPE	CALC FIRST COST	CAC(100)	R2
AIRFRAME	.907	.884	.462	.949
AIRFRAME & ENGINE	.944	1.054	.717	.898
TOTAL FLYAWAY	.880	2.842	1.213	.943

## AIRFRAME

FY	CUMULATIVE QUANTITY	CUMULATIVE AVERAGE COST (ACTUAL, \$M)	CUMULATIVE AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
67	57	.511	.500	.011	2.15
68	178	.411	.426	-.015	3.65
69	291	.392	.398	-.005	1.53
70	327	.389	.391	-.001	.51
71	408	.380	.379	.001	.26
73	468	.385	.372	.013	3.38

## AIRFRAME &amp; ENGINE

FY	CUMULATIVE QUANTITY	CUMULATIVE AVERAGE COST (ACTUAL, \$M)	CUMULATIVE AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
67	57	.765	.751	.014	1.83
68	178	.663	.683	-.020	3.02
69	291	.645	.656	-.011	1.71
70	327	.646	.649	-.002	.46
71	408	.641	.637	.004	.62
73	468	.648	.630	.018	2.78

## TOTAL FLYAWAY

FY	CUMULATIVE QUANTITY	CUMULATIVE AVERAGE COST (ACTUAL, \$M)	CUMULATIVE AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
67	57	1.387	1.345	.042	3.03
68	178	1.022	1.090	-.068	6.65
69	291	.984	.995	-.011	1.12
70	327	.977	.974	.003	.31
71	408	.946	.935	.011	1.16
73	468	.939	.911	.028	2.98

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**PHYSICAL AND PERFORMANCE  
CHARACTERISTICS**

MANUFACTURER:	BELL
WING (FIXED/ROTARY):	ROTARY
CTOL/VSTOL/STOL/OTHER:	VSTOL
AIRFRAME PERFORMANCE:	1.83
AIRCRAFT SYSTEM PERFORMANCE:	1.05
ENGINE NUMBER:	T53-L-13
NUMBER OF ENGINES:	1
SERVICE:	ARMY

## AH-1G

**TOTAL OBLIGATIONAL AUTHORITY  
(MILLIONS OF THEN-YEAR DOLLARS)**

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
66	110	47.568	5.347	2.466	5.375	1.104	61.860
67	420	122.449	25.610	8.701	31.127	4.116	192.003
68	308	70.416	19.893	5.565	39.724	4.604	140.202
70	170	48.290	11.581	5.093	11.730	3.279	79.975
71	70	20.403	4.796	1.749	4.830	3.827	35.605

**MILLIONS OF CONSTANT FY81 DOLLARS**

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
66	110	120.547	13.550	6.249	13.621	2.798	156.766
67	420	298.802	62.494	21.232	75.957	10.044	468.529
68	308	165.412	46.730	13.073	93.315	10.815	329.345
70	170	103.405	24.799	10.906	25.118	7.021	171.248
71	70	41.360	9.722	3.546	9.791	7.758	72.177
<b>TOTAL</b>	<b>1078</b>	<b>729.526</b>	<b>157.295</b>	<b>55.006</b>	<b>217.801</b>	<b>38.436</b>	<b>1198.065</b>

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FISCAL YEAR LOT AVERAGE COSTS  
(MILLIONS OF CONSTANT FY81 DOLLARS)

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
66	110	1.096	.123	.057	.124	.025	1.425
67	420	.711	.149	.051	.181	.024	1.116
68	308	.537	.152	.042	.303	.035	1.069
70	170	.608	.146	.064	.148	.041	1.007
71	70	.591	.139	.051	.140	.111	1.031
TOTAL	1078	.677	.146	.051	.202	.036	1.111

CUMULATIVE AVERAGE COSTS  
(MILLIONS OF CONSTANT FY81 DOLLARS)

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
66	110	1.096	.123	.057	.124	.025	1.425
67	530	.791	.143	.052	.169	.024	1.180
68	838	.698	.147	.048	.218	.028	1.139
70	1008	.683	.146	.051	.206	.030	1.117
71	1078	.677	.146	.051	.202	.036	1.111

## AH-1G

## UNIT COST CURVES

	CALC SLOPE	CALC FIRST COST	UNIT 100	R2
AIRFRAME	.872	2.210	.888	.928
AIRFRAME & ENGINE	.893	2.182	1.031	.941
TOTAL FLYAWAY	.932	2.056	1.283	.976

## AIRFRAME

FY	PLOT POINT QUANTITY	FISCAL YEAR AVERAGE COST (ACTUAL, \$M)	FISCAL YEAR AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
66	38	1.096	1.076	.020	1.82
67	290	.711	.720	-.009	1.27
68	677	.537	.608	-.071	13.22
70	921	.608	.572	.036	5.92
71	1043	.591	.558	.033	5.58

## AIRFRAME &amp; ENGINE

FY	PLOT POINT QUANTITY	FISCAL YEAR AVERAGE COST (ACTUAL, \$M)	FISCAL YEAR AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
66	39	1.219	1.203	.016	1.31
67	290	.860	.866	-.005	.70
68	677	.689	.755	-.066	9.58
70	921	.754	.718	.036	4.77
71	1043	.730	.704	.026	3.56

## TOTAL FLYAWAY

FY	PLOT POINT QUANTITY	FISCAL YEAR AVERAGE COST (ACTUAL, \$M)	FISCAL YEAR AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
66	40	1.425	1.410	.015	1.05
67	292	1.116	1.150	-.034	3.05
68	678	1.069	1.055	.014	1.31
70	922	1.007	1.022	-.015	1.49
71	1043	1.031	1.009	.022	2.13

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## CUMULATIVE AVERAGE COST CURVES

	CALC SLOPE	CALC FIRST COST	CAC(100)	R2
AIRFRAME	.862	3.012	1.120	.997
AIRFRAME & ENGINE	.886	2.778	1.241	.998
TOTAL FLYAWAY	.927	2.375	1.435	.995

## AIRFRAME

FY	CUMULATIVE QUANTITY	CUMULATIVE AVERAGE COST (ACTUAL, \$M)	CUMULATIVE AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
66	110	1.096	1.097	.000	.09
67	530	.791	.783	.008	1.01
68	838	.698	.710	-.012	1.72
70	1008	.683	.682	.001	.15
71	1078	.677	.672	.005	.74

## AIRFRAME &amp; ENGINE

FY	CUMULATIVE QUANTITY	CUMULATIVE AVERAGE COST (ACTUAL, \$M)	CUMULATIVE AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
66	110	1.219	1.221	-.001	.16
67	530	.935	.927	.008	.86
68	838	.844	.855	-.011	1.30
70	1008	.829	.828	.001	.12
71	1078	.823	.819	.004	.49

## TOTAL FLYAWAY

FY	CUMULATIVE QUANTITY	CUMULATIVE AVERAGE COST (ACTUAL, \$M)	CUMULATIVE AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
66	110	1.425	1.420	.005	.35
67	530	1.180	1.195	-.015	1.27
68	838	1.139	1.137	.002	.18
70	1008	1.117	1.114	.003	.27
71	1078	1.111	1.106	.005	.45

AH-1J

AH-1J

**PHYSICAL AND PERFORMANCE  
CHARACTERISTICS**

MANUFACTURER:	BELL
WING (FIXED/ROTARY):	ROTARY
CTOL/VSTOL/STOL/OTHER:	VSTOL
AIRFRAME PERFORMANCE:	1.92
AIRCRAFT SYSTEM PERFORMANCE:	1.28
ENGINE NUMBER:	T400-CP-400
NUMBER OF ENGINES:	1
SERVICE:	NAVY

## AH-1J

TOTAL OBLIGATIONAL AUTHORITY  
(MILLIONS OF THEN-YEAR DOLLARS)

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
68	49	28.347	3.552	1.860	0.000	3.107	36.866
69	38	20.582	3.428	.629	0.000	.301	25.775
73	20	13.362	3.138	.812	.199	.995	29.474
74	10	13.115	2.144	.714	.104	.315	23.143

## MILLIONS OF CONSTANT FY81 DOLLARS

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
68	49	68.191	8.545	4.474	0.000	7.474	88.684
69	38	47.533	7.917	1.453	0.000	.695	59.527
73	20	23.275	5.466	1.414	.347	1.733	51.339
74	10	21.610	3.533	1.176	.171	.519	38.133
<b>TOTAL</b>	<b>117</b>	<b>160.609</b>	<b>25.460</b>	<b>8.518</b>	<b>.518</b>	<b>10.421</b>	<b>237.683</b>

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AH-1J

FISCAL YEAR LOT AVERAGE COSTS  
(MILLIONS OF CONSTANT FY81 DOLLARS)

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
68	49	1.392	.174	.091	0.000	.153	1.810
69	38	1.251	.208	.038	0.000	.018	1.566
73	20	1.164	.273	.071	.017	.087	2.567
74	10	2.161	.353	.118	.017	.052	3.813
TOTAL	117	1.373	.218	.073	.004	.089	2.031

CUMULATIVE AVERAGE COSTS  
(MILLIONS OF CONSTANT FY81 DOLLARS)

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
68	49	1.392	.174	.091	0.000	.153	1.810
69	87	1.330	.189	.068	0.000	.094	1.704
73	107	1.299	.205	.069	.003	.093	1.865
74	117	1.373	.218	.073	.004	.089	2.031

## AH-1J

## UNIT COST CURVES

	CALC SLOPE	CALC FIRST COST	UNIT 100	R2
AIRFRAME	1.066	.989	1.512	.069
AIRFRAME & ENGINE	1.093	.998	1.802	.144
TOTAL FLYAWAY	1.263	.569	2.679	.406

## AIRFRAME

FY	PLOT POINT QUANTITY	FISCAL YEAR AVERAGE COST (ACTUAL, \$M)	FISCAL YEAR AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
--	-----	-----	-----	-----	-----
68	20	1.392	1.302	.090	6.47
69	68	1.251	1.458	-.207	16.55
73	97	1.164	1.508	-.344	29.55
74	112	2.161	1.528	.633	29.29

## AIRFRAME &amp; ENGINE

FY	PLOT POINT QUANTITY	FISCAL YEAR AVERAGE COST (ACTUAL, \$M)	FISCAL YEAR AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
--	-----	-----	-----	-----	-----
68	20	1.566	1.466	.100	6.39
69	68	1.459	1.714	-.255	17.48
73	97	1.437	1.796	-.359	24.98
74	112	2.514	1.829	.685	27.25

## TOTAL FLYAWAY

FY	PLOT POINT QUANTITY	FISCAL YEAR AVERAGE COST (ACTUAL, \$M)	FISCAL YEAR AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
--	-----	-----	-----	-----	-----
68	21	1.810	1.595	.215	11.88
69	68	1.566	2.352	-.786	50.19
73	97	2.567	2.655	-.088	3.43
74	112	3.813	2.787	1.026	26.91

AH-1J

AH-1J

## CUMULATIVE AVERAGE COST CURVES

	CALC SLOPE	CALC FIRST COST	CAC(100)	R2
AIRFRAME	.969	1.645	1.338	.319
AIRFRAME & ENGINE	.993	1.618	1.542	.025
TOTAL FLYAWAY	1.065	1.231	1.875	.238

## AIRFRAME

FY	CUMULATIVE QUANTITY	CUMULATIVE AVERAGE COST (ACTUAL, \$M)	CUMULATIVE AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
68	49	1.392	1.382	.010	.72
69	87	1.330	1.347	-.017	1.28
73	107	1.299	1.334	-.035	2.69
74	117	1.373	1.329	.044	3.20

## AIRFRAME &amp; ENGINE

FY	CUMULATIVE QUANTITY	CUMULATIVE AVERAGE COST (ACTUAL, \$M)	CUMULATIVE AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
68	49	1.566	1.554	.012	.77
69	87	1.519	1.544	-.025	1.65
73	107	1.504	1.541	-.037	2.46
74	117	1.590	1.539	.051	3.21

## TOTAL FLYAWAY

FY	CUMULATIVE QUANTITY	CUMULATIVE AVERAGE COST (ACTUAL, \$M)	CUMULATIVE AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
68	49	1.810	1.757	.053	2.93
69	87	1.704	1.852	-.148	8.69
73	107	1.865	1.887	-.022	1.18
74	117	2.031	1.903	.128	6.30

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AH-1S

AH-1S

**PHYSICAL AND PERFORMANCE  
CHARACTERISTICS**

MANUFACTURER:	BELL
WING (FIXED/ROTARY):	ROTARY
CTOL/VSTOL/STOL/OTHER:	VSTOL
AIRFRAME PERFORMANCE:	1.91
AIRCRAFT SYSTEM PERFORMANCE:	2.75
ENGINE NUMBER:	T53-L-703
NUMBER OF ENGINES:	1
SERVICE:	ARMY

## AH-1S

TOTAL OBLIGATIONAL AUTHORITY  
(MILLIONS OF THEN-YEAR DOLLARS)

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
75	6	9.103	.601	.299	1.716	.030	16.323
76	38	28.022	3.724	1.482	11.385	.169	46.542
77	82	60.307	10.444	6.412	28.844	3.883	109.890
78	83	73.213	10.580	8.737	36.410	3.612	135.488
79	66	57.316	9.445	11.064	38.364	2.454	118.643
80	12	13.704	3.095	2.554	8.713	.882	28.948

## MILLIONS OF CONSTANT FY81 DOLLARS

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
75	6	13.591	.897	.446	2.562	.045	24.370
76	38	39.412	5.238	2.084	16.013	.238	65.460
77	82	76.600	13.266	8.144	36.637	4.932	139.578
78	83	84.105	12.154	10.037	41.827	4.149	155.644
79	66	59.376	9.785	11.462	39.743	2.542	122.908
80	12	12.734	2.876	2.373	8.096	.820	26.898
TOTAL	287	285.817	44.215	34.547	144.877	12.726	534.858

AH-1S

AH-1S

FISCAL YEAR LOT AVERAGE COSTS  
(MILLIONS OF CONSTANT FY81 DOLLARS)

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
75	6	2.265	.150	.074	.427	.007	4.062
76	38	1.037	.138	.055	.421	.006	1.723
77	82	.934	.162	.099	.447	.060	1.702
78	83	1.013	.146	.121	.504	.050	1.875
79	66	.900	.148	.174	.602	.039	1.862
80	12	1.061	.240	.198	.675	.068	2.242
<b>TOTAL</b>	<b>287</b>	<b>.996</b>	<b>.154</b>	<b>.120</b>	<b>.505</b>	<b>.044</b>	<b>1.864</b>

CUMULATIVE AVERAGE COSTS  
(MILLIONS OF CONSTANT FY81 DOLLARS)

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
75	6	2.265	.150	.074	.427	.007	4.062
76	44	1.205	.139	.058	.422	.006	2.042
77	126	1.029	.154	.085	.438	.041	1.821
78	209	1.023	.151	.099	.464	.045	1.842
79	275	.993	.150	.117	.497	.043	1.847
80	287	.996	.154	.120	.505	.044	1.864

## AH-1S

## UNIT COST CURVES

	CALC SLOPE	CALC FIRST COST	UNIT 100	R2
AIRFRAME	.891	2.261	1.048	.731
AIRFRAME & ENGINE	.905	2.365	1.219	.669
TOTAL FLYAWAY	.913	3.671	2.002	.491

## AIRFRAME

FY	PLOT POINT QUANTITY	FISCAL YEAR AVERAGE COST (ACTUAL, \$M)	FISCAL YEAR AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
75	3	2.265	1.893	.372	16.42
76	22	1.037	1.347	-.310	29.89
77	81	.934	1.085	-.151	16.17
78	166	1.013	.963	.050	4.94
79	242	.900	.904	-.003	.44
80	281	1.061	.882	.179	16.87

## AIRFRAME &amp; ENGINE

FY	PLOT POINT QUANTITY	FISCAL YEAR AVERAGE COST (ACTUAL, \$M)	FISCAL YEAR AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
75	3	2.415	2.027	.388	16.07
76	22	1.175	1.512	-.337	28.68
77	82	1.096	1.255	-.159	14.51
78	166	1.160	1.133	.027	2.33
79	242	1.048	1.073	-.025	2.39
80	281	1.301	1.050	.251	19.29

## TOTAL FLYAWAY

FY	PLOT POINT QUANTITY	FISCAL YEAR AVERAGE COST (ACTUAL, \$M)	FISCAL YEAR AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
75	3	4.062	3.188	.874	21.52
76	22	1.723	2.438	-.715	41.50
77	82	1.702	2.056	-.354	20.80
78	166	1.875	1.873	.002	.11
79	242	1.862	1.783	.079	4.24
80	281	2.242	1.747	.495	22.08

AH-1S

AH-1S

## CUMULATIVE AVERAGE COST CURVES

	CALC SLOPE	CALC FIRST COST	CAC(100)	R2
AIRFRAME	.866	3.031	1.165	.927
AIRFRAME & ENGINE	.878	3.123	1.320	.919
TOTAL FLYAWAY	.873	5.172	2.097	.861

## AIRFRAME

FY	CUMULATIVE QUANTITY	CUMULATIVE AVERAGE COST (ACTUAL, \$M)	CUMULATIVE AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
75	6	2.265	2.090	.175	7.73
76	44	1.205	1.382	-.177	14.69
77	126	1.029	1.111	-.082	7.97
78	209	1.023	1.000	.023	2.25
79	275	.993	.945	.048	4.83
80	287	.996	.936	.060	6.02

## AIRFRAME &amp; ENGINE

FY	CUMULATIVE QUANTITY	CUMULATIVE AVERAGE COST (ACTUAL, \$M)	CUMULATIVE AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
75	6	2.415	2.234	.181	7.49
76	44	1.344	1.539	-.195	14.51
77	126	1.183	1.264	-.081	6.85
78	209	1.174	1.150	.024	2.04
79	275	1.143	1.093	.050	4.37
80	287	1.150	1.084	.066	5.74

## TOTAL FLYAWAY

FY	CUMULATIVE QUANTITY	CUMULATIVE AVERAGE COST (ACTUAL, \$M)	CUMULATIVE AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
75	6	4.062	3.640	.422	10.39
76	44	2.042	2.463	-.421	20.62
77	126	1.821	2.004	-.183	10.05
78	209	1.842	1.815	.027	1.47
79	275	1.847	1.720	.127	6.88
80	287	1.864	1.706	.158	8.48

AH-1T

AH-1T

PHYSICAL AND PERFORMANCE  
CHARACTERISTICS

MANUFACTURER:	BELL
WING (FIXED/ROTARY):	ROTARY
CTOL/VSTOL/STOL/OTHER:	VSTOL
AIRFRAME PERFORMANCE:	2.1
AIRCRAFT SYSTEM PERFORMANCE:	2.94
ENGINE NUMBER:	T400-WV-402
NUMBER OF ENGINES:	1
SERVICE:	NAVY

## AH-1T

TOTAL OBLIGATIONAL AUTHORITY  
(MILLIONS OF THEN-YEAR DOLLARS)

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
76	7	11.170	1.562	.294	.052	.277	13.355
77	23	43.098	5.355	1.034	.196	.737	50.420
78	8	16.799	2.056	.423	.074	.277	19.629

## MILLIONS OF CONSTANT FY81 DOLLARS

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
76	7	16.065	2.247	.423	.075	.398	19.208
77	23	55.539	6.901	1.332	.253	.950	64.974
78	8	19.659	2.406	.495	.087	.324	22.971
<b>TOTAL</b>	<b>38</b>	<b>91.263</b>	<b>11.553</b>	<b>2.250</b>	<b>.414</b>	<b>1.672</b>	<b>107.153</b>

FISCAL YEAR LOT AVERAGE COSTS  
(MILLIONS OF CONSTANT FY81 DOLLARS)

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
76	7	2.295	.321	.060	.011	.057	2.744
77	23	2.415	.300	.058	.011	.041	2.825
78	8	2.457	.301	.062	.011	.041	2.871
<b>TOTAL</b>	<b>38</b>	<b>2.402</b>	<b>.304</b>	<b>.059</b>	<b>.011</b>	<b>.044</b>	<b>2.820</b>

CUMULATIVE AVERAGE COSTS  
(MILLIONS OF CONSTANT FY81 DOLLARS)

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
76	7	2.295	.321	.060	.011	.057	2.744
77	30	2.387	.305	.059	.011	.045	2.806
78	38	2.402	.304	.059	.011	.044	2.820

AH-1T

AH-1T

## UNIT COST CURVES

	CALC SLOPE	CALC FIRST COST	UNIT 100	R2
AIRFRAME	1.021	2.214	2.539	--
AIRFRAME & ENGINE	1.016	2.544	2.825	.999
TOTAL FLYAWAY	1.013	2.679	2.926	1.000 .993

## AIRFRAME

FY	PLOT POINT QUANTITY	FISCAL YEAR AVERAGE COST (ACTUAL,\$M)	FISCAL YEAR AVERAGE COST (ESTIMATED,\$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
76	3	2.295	2.296	.000	.04
77	18	2.415	2.412	.003	.12
78	34	2.457	2.460	-.002	.12

## AIRFRAME &amp; ENGINE

FY	PLOT POINT QUANTITY	FISCAL YEAR AVERAGE COST (ACTUAL,\$M)	FISCAL YEAR AVERAGE COST (ESTIMATED,\$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
76	3	2.616	2.616	0.000	0.00
77	18	2.715	2.716	.000	.04
78	34	2.758	2.757	.001	.04

## TOTAL FLYAWAY

FY	PLOT POINT QUANTITY	FISCAL YEAR AVERAGE COST (ACTUAL,\$M)	FISCAL YEAR AVERAGE COST (ESTIMATED,\$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
76	3	2.744	2.742	.002	.07
77	18	2.825	2.831	-.005	.21
78	34	2.871	2.867	.004	.14

## AH-1T

## CUMULATIVE AVERAGE COST CURVES

	CALC SLOPE	CALC FIRST COST	CAC(100)	R2
AIRFRAME	1.019	2.178	2.465	1.000
AIRFRAME & ENGINE	1.014	2.517	2.757	1.000
TOTAL FLYAWAY	1.011	2.660	2.862	.998

## AIRFRAME

FY	CUMULATIVE QUANTITY	CUMULATIVE AVERAGE COST (ACTUAL, \$M)	CUMULATIVE AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
--	--	--	--	--	--
76	7	2.295	2.295	0.000	0.00
77	30	2.387	2.387	0.000	0.00
78	38	2.402	2.402	0.000	0.00

## AIRFRAME &amp; ENGINE

FY	CUMULATIVE QUANTITY	CUMULATIVE AVERAGE COST (ACTUAL, \$M)	CUMULATIVE AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
--	--	--	--	--	--
76	7	2.616	2.616	0.000	0.00
77	30	2.692	2.692	0.000	0.00
78	38	2.706	2.705	.001	.04

## TOTAL FLYAWAY

FY	CUMULATIVE QUANTITY	CUMULATIVE AVERAGE COST (ACTUAL, \$M)	CUMULATIVE AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
--	--	--	--	--	--
76	7	2.744	2.744	0.000	0.00
77	30	2.806	2.808	-.001	.07
78	38	2.820	2.818	.002	.07

**AV-8A**

**AV-8A**

**PHYSICAL AND PERFORMANCE  
CHARACTERISTICS**

<b>MANUFACTURER:</b>	HAWKER SIDDELEY
<b>WING (FIXED/ROTARY):</b>	FIXED
<b>CTOL/VSTOL/STOL/OTHER:</b>	VSTOL
<b>AIRFRAME PERFORMANCE:</b>	5.67
<b>AIRCRAFT SYSTEM PERFORMANCE:</b>	7.87
<b>ENGINE NUMBER:</b>	F402-RR
<b>NUMBER OF ENGINES:</b>	1
<b>SERVICE:</b>	NAVY

## AV-8A

TOTAL OBLIGATIONAL AUTHORITY  
(MILLIONS OF THEN-YEAR DOLLARS)

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
70	12	12.942	9.038	5.644	.109	2.040	33.823
71	18	23.044	20.074	9.094	.039	3.343	61.354
72	30	37.407	32.675	12.463	.064	5.426	88.035
73	30	42.657	35.281	8.163	.068	5.477	91.646
74	8	17.141	15.026	2.070	.029	2.343	37.709

## MILLIONS OF CONSTANT FY81 DOLLARS

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
70	12	28.513	19.912	12.434	.240	4.494	74.516
71	18	48.310	42.084	19.065	.082	7.008	128.625
72	30	73.912	64.562	24.626	.126	10.721	173.948
73	30	74.302	61.454	14.219	.118	9.540	159.634
74	8	28.244	24.759	3.411	.048	3.861	62.134
<b>TOTAL</b>	<b>98</b>	<b>253.281</b>	<b>212.771</b>	<b>73.755</b>	<b>.615</b>	<b>35.625</b>	<b>598.857</b>

AV-8A

AV-8A

FISCAL YEAR LOT AVERAGE COSTS  
(MILLIONS OF CONSTANT FY81 DOLLARS)

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
70	12	2.376	1.659	1.036	.020	.375	6.210
71	18	2.684	2.338	1.059	.005	.389	7.146
72	30	2.464	2.152	.821	.004	.357	5.798
73	30	2.477	2.048	.474	.004	.318	5.321
74	8	3.530	3.095	.426	.006	.483	7.767
<b>TOTAL</b>	<b>98</b>	<b>2.585</b>	<b>2.171</b>	<b>.753</b>	<b>.006</b>	<b>.364</b>	<b>6.111</b>

CUMULATIVE AVERAGE COSTS  
(MILLIONS OF CONSTANT FY81 DOLLARS)

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
70	12	2.376	1.659	1.036	.020	.375	6.210
71	30	2.561	2.067	1.050	.011	.383	6.771
72	60	2.512	2.109	.935	.007	.370	6.285
73	90	2.500	2.089	.782	.006	.353	5.964
74	98	2.585	2.171	.753	.006	.364	6.111

AV-8A

## UNIT COST CURVES

	CALC SLOPE	CALC FIRST COST	UNIT 100	R2
AIRFRAME	1.055	2.042	2.922	.312
AIRFRAME & ENGINE	1.077	3.368	5.521	.442
TOTAL FLYAWAY	1.003	6.280	6.423	.001

## AIRFRAME

FY	PLOT POINT QUANTITY	FISCAL YEAR AVERAGE COST (ACTUAL, \$M)	FISCAL YEAR AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
70	5	2.376	2.328	.048	2.02
71	21	2.684	2.587	.097	3.61
72	45	2.464	2.744	-.280	11.36
73	75	2.477	2.857	-.380	15.34
74	94	3.530	2.909	.621	17.59

## AIRFRAME &amp; ENGINE

FY	PLOT POINT QUANTITY	FISCAL YEAR AVERAGE COST (ACTUAL, \$M)	FISCAL YEAR AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
70	5	4.035	4.039	-.003	.10
71	21	5.022	4.667	.355	7.07
72	45	4.616	5.064	-.448	9.71
73	75	4.525	5.353	-.828	18.30
74	94	6.625	5.487	1.138	17.18

## TOTAL FLYAWAY

FY	PLOT POINT QUANTITY	FISCAL YEAR AVERAGE COST (ACTUAL, \$M)	FISCAL YEAR AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
70	5	6.210	6.331	-.121	1.95
71	21	7.146	6.374	.772	10.80
72	45	5.798	6.398	-.600	10.35
73	75	5.321	6.414	-1.093	20.54
74	94	7.767	6.421	1.346	17.33

AV-8A

AV-8A

## CUMULATIVE AVERAGE COST CURVES

	CALC SLOPE	CALC FIRST COST	CAC(100)	R2
AIRFRAME	1.019	2.256	2.561	.547
AIRFRAME & ENGINE	1.045	3.541	4.753	.753
TOTAL FLYAWAY	.984	6.850	6.147	.186

## AIRFRAME

FY	CUMULATIVE QUANTITY	CUMULATIVE AVERAGE COST (ACTUAL,\$M)	CUMULATIVE AVERAGE COST (ESTIMATED,\$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
70	12	2.376	2.416	-.040	1.68
71	30	2.561	2.478	.083	3.24
72	60	2.512	2.525	-.013	.52
73	90	2.500	2.554	-.054	2.16
74	98	2.585	2.560	.025	.97

## AIRFRAME &amp; ENGINE

FY	CUMULATIVE QUANTITY	CUMULATIVE AVERAGE COST (ACTUAL,\$M)	CUMULATIVE AVERAGE COST (ESTIMATED,\$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
70	12	4.035	4.151	-.116	2.87
71	30	4.627	4.401	.226	4.88
72	60	4.622	4.600	.022	.48
73	90	4.589	4.721	-.132	2.88
74	98	4.756	4.747	.009	.19

## TOTAL FLYAWAY

FY	CUMULATIVE QUANTITY	CUMULATIVE AVERAGE COST (ACTUAL,\$M)	CUMULATIVE AVERAGE COST (ESTIMATED,\$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
70	12	6.210	6.461	-.251	4.04
71	30	6.771	6.323	.448	6.62
72	60	6.285	6.221	.064	1.02
73	90	5.964	6.162	-.198	3.32
74	98	6.111	6.150	-.039	.64

B-47B

B-47B

PHYSICAL AND PERFORMANCE  
CHARACTERISTICS

MANUFACTURER:	BOEING
WING (FIXED/ROTARY):	FIXED
CTOL/VSTOL/STOL/OTHER:	CTOL
AIRFRAME PERFORMANCE:	21.95
AIRCRAFT SYSTEM PERFORMANCE:	22.52
ENGINE NUMBER:	J47-GE-11
NUMBER OF ENGINES:	6
SERVICE:	AIR FORCE

## B-47B

TOTAL OBLIGATIONAL AUTHORITY  
(MILLIONS OF THEN-YEAR DOLLARS)

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
49	5	18.131	3.119	.577	.078	3.166	25.070
50	81	167.947	28.889	5.341	.720	29.330	232.227
51	532	826.444	148.672	24.599	3.482	144.322	1147.518
52	398	612.349	98.873	21.133	2.726	106.868	841.948

## MILLIONS OF CONSTANT FY81 DOLLARS

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
49	5	64.986	11.179	2.068	.280	11.348	89.857
50	81	583.149	100.309	18.545	2.500	101.840	806.344
51	532	2831.257	509.325	84.272	11.929	494.423	3931.202
52	398	2105.015	339.887	72.647	9.371	367.370	2894.287
<b>TOTAL</b>	<b>1016</b>	<b>5584.408</b>	<b>960.700</b>	<b>177.532</b>	<b>24.079</b>	<b>974.981</b>	<b>7721.690</b>

B-47B

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FISCAL YEAR LOT AVERAGE COSTS  
(MILLIONS OF CONSTANT FY81 DOLLARS)

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
49	5	12.997	2.236	.414	.056	2.270	17.971
50	81	7.199	1.238	.229	.031	1.257	9.955
51	532	5.322	.957	.158	.022	.929	7.389
52	398	5.289	.854	.183	.024	.923	7.272
TOTAL	1016	5.496	.946	.175	.024	.960	7.600

CUMULATIVE AVERAGE COSTS  
(MILLIONS OF CONSTANT FY81 DOLLARS)

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
49	5	12.997	2.236	.414	.056	2.270	17.971
50	86	7.536	1.296	.240	.032	1.316	10.421
51	618	5.630	1.005	.170	.024	.983	7.811
52	1016	5.496	.946	.175	.024	.960	7.600

## UNIT COST CURVES

	CALC SLOPE	CALC FIRST COST	UNIT 100	R2
AIRFRAME	.894	14.205	6.754	.953
AIRFRAME & ENGINE	.894	16.682	7.909	.958
TOTAL FLYAWAY	.894	19.666	9.334	.956

## AIRFRAME

FY	PLOT POINT QUANTITY	FISCAL YEAR AVERAGE COST (ACTUAL, \$M)	FISCAL YEAR AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
--	--	--	--	--	--
49	3	12.997	12.223	.774	5.96
50	37	7.199	7.931	-.732	10.17
51	306	5.322	5.637	-.315	5.92
52	807	5.289	4.820	.469	8.87

## AIRFRAME &amp; ENGINE

FY	PLOT POINT QUANTITY	FISCAL YEAR AVERAGE COST (ACTUAL, \$M)	FISCAL YEAR AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
--	--	--	--	--	--
49	3	15.233	14.346	.887	5.82
50	37	8.438	9.294	-.856	10.14
51	306	6.279	6.596	-.317	5.05
52	807	6.143	5.637	.506	8.24

## TOTAL FLYAWAY

FY	PLOT POINT QUANTITY	FISCAL YEAR AVERAGE COST (ACTUAL, \$M)	FISCAL YEAR AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
--	--	--	--	--	--
49	3	17.971	16.916	1.055	5.87
50	37	9.955	10.965	-1.010	10.15
51	306	7.389	7.786	-.397	5.37
52	807	7.272	6.656	.616	8.47

B-47B

B-47B

## CUMULATIVE AVERAGE COST CURVES

	CALC SLOPE	CALC FIRST COST	CAC(100)	R2
AIRFRAME	.892	16.536	7.731	--
AIRFRAME & ENGINE	.892	19.361	9.072	.989
TOTAL FLYAWAY	.892	22.850	10.697	.990
				.989

## AIRFRAME

FY	CUMULATIVE QUANTITY	CUMULATIVE AVERAGE COST (ACTUAL, \$M)	CUMULATIVE AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
49	5	12.997	12.677	.320	2.46
50	86	7.536	7.925	-.389	5.16
51	618	5.630	5.723	-.093	1.65
52	1016	5.496	5.272	.224	4.08

## AIRFRAME &amp; ENGINE

FY	CUMULATIVE QUANTITY	CUMULATIVE AVERAGE COST (ACTUAL, \$M)	CUMULATIVE AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
49	5	15.233	14.855	.378	2.48
50	86	8.833	9.300	-.467	5.29
51	618	6.635	6.722	-.087	1.31
52	1016	6.442	6.193	.249	3.87

## TOTAL FLYAWAY

FY	CUMULATIVE QUANTITY	CUMULATIVE AVERAGE COST (ACTUAL, \$M)	CUMULATIVE AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
49	5	17.971	17.527	.444	2.47
50	86	10.421	10.967	-.546	5.24
51	618	7.811	7.924	-.113	1.45
52	1016	7.600	7.300	.300	3.95

B-47E

B-47E

PHYSICAL AND PERFORMANCE  
CHARACTERISTICS

MANUFACTURER:	BOEING
WING (FIXED/ROTARY):	FIXED
CTOL/VSTOL/STOL/OTHER:	CTOL
AIRFRAME PERFORMANCE:	21.95
AIRCRAFT SYSTEM PERFORMANCE:	22.52
ENGINE NUMBER:	J47-GE-25
NUMBER OF ENGINES:	6
SERVICE:	AIR FORCE

B-47E

TOTAL OBLIGATIONAL AUTHORITY  
(MILLIONS OF THEN-YEAR DOLLARS)

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
52	227	273.842	56.392	12.053	1.554	61.136	404.978
53	495	517.942	135.274	17.275	2.722	127.055	800.268

MILLIONS OF CONSTANT FY81 DOLLARS

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
52	227	941.361	193.854	41.433	5.342	210.162	1392.155
53	495	1738.060	453.940	57.970	9.134	426.359	2685.463
TOTAL	722	2679.422	647.793	99.403	14.476	636.521	4077.618

FISCAL YEAR LOT AVERAGE COSTS  
(MILLIONS OF CONSTANT FY81 DOLLARS)

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
52	227	4.147	.854	.183	.024	.926	6.133
53	495	3.511	.917	.117	.018	.861	5.425
TOTAL	722	3.711	.897	.138	.020	.882	5.648

CUMULATIVE AVERAGE COSTS  
(MILLIONS OF CONSTANT FY81 DOLLARS)

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
52	227	4.147	.854	.183	.024	.926	6.133
53	722	3.711	.897	.138	.020	.882	5.648

**B-47B/E**

**B-47B/E**

**PHYSICAL AND PERFORMANCE  
CHARACTERISTICS**

<b>MANUFACTURER:</b>	<b>BOEING</b>
<b>WING (FIXED/ROTARY):</b>	<b>FIXED</b>
<b>CTOL/VSTOL/STOL/OTHER:</b>	<b>CTOL</b>
<b>AIRFRAME PERFORMANCE:</b>	<b>21.95</b>
<b>AIRCRAFT SYSTEM PERFORMANCE:</b>	<b>22.52</b>
<b>ENGINE NUMBER:</b>	<b>J47-GE-25</b>
<b>NUMBER OF ENGINES:</b>	<b>6</b>
<b>SERVICE:</b>	<b>AIR FORCE</b>

B-47B/E

**TOTAL OBLIGATIONAL AUTHORITY  
(MILLIONS OF THEN-YEAR DOLLARS)**

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
--	---	-----	-----	-----	-----	-----	-----
49	5	18.131	3.119	.577	.078	3.166	25.070
50	81	167.947	28.889	5.341	.720	29.330	232.227
51	532	826.444	148.672	24.599	3.482	144.322	1147.518
52	398	612.349	98.873	21.153	2.726	106.868	841.948
52	227	273.842	56.392	12.053	1.554	61.136	404.978
53	495	517.942	135.274	17.275	2.722	127.055	800.268

**MILLIONS OF CONSTANT FY81 DOLLARS**

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
--	---	-----	-----	-----	-----	-----	-----
49	5	64.986	11.179	2.068	.280	11.348	89.857
50	81	583.149	100.309	18.545	2.500	101.840	806.344
51	532	2831.257	509.325	84.272	11.929	494.423	3931.202
52	398	2105.015	339.887	72.647	9.371	367.370	2894.287
52	227	941.361	193.854	41.433	5.342	210.162	1392.155
53	495	1738.060	453.940	57.970	9.134	426.359	2685.463
TOTAL	1738	8263.829	1608.493	276.935	38.556	1611.502	11799.308

B-47B/E

B-47B/E

FISCAL YEAR LOT AVERAGE COSTS  
(MILLIONS OF CONSTANT FY81 DOLLARS)

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
49	5	12.997	2.236	.414	.056	2.270	17.971
50	81	7.199	1.238	.229	.031	1.257	9.955
51	532	5.322	.957	.158	.022	.929	7.389
52	398	5.289	.854	.183	.024	.923	7.272
52	227	4.147	.854	.183	.024	.926	6.133
53	495	3.511	.917	.117	.018	.861	5.425
<b>TOTAL</b>	<b>1738</b>	<b>4.755</b>	<b>.925</b>	<b>.159</b>	<b>.022</b>	<b>.927</b>	<b>6.789</b>

CUMULATIVE AVERAGE COSTS  
(MILLIONS OF CONSTANT FY81 DOLLARS)

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
49	5	12.997	2.236	.414	.056	2.270	17.971
50	86	7.536	1.296	.240	.032	1.316	10.421
51	618	5.630	1.005	.170	.024	.983	7.811
52	1016	5.496	.946	.175	.024	.960	7.600
52	1243	5.250	.929	.176	.024	.953	7.332
53	1738	4.755	.925	.159	.022	.927	6.789

B-47B/E

**UNIT COST CURVES**

	CALC SLOPE	CALC FIRST COST	UNIT 100	R2
AIRFRAME	.882	14.973	6.485	.951
AIRFRAME & ENGINE	.885	17.273	7.699	.965
TOTAL FLYAWAY	.888	20.124	9.175	.968

**AIRFRAME**

FY	PLOT POINT QUANTITY	FISCAL YEAR AVERAGE COST (ACTUAL, \$M)	FISCAL YEAR AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
49	3	12.997	12.650	.347	2.67
50	37	7.199	7.777	-.578	8.03
51	306	5.322	5.294	.028	.53
52	807	5.289	4.437	.852	16.11
52	1127	4.147	4.176	-.029	.70
53	1482	3.511	3.973	-.462	13.16

**AIRFRAME & ENGINE**

FY	PLOT POINT QUANTITY	FISCAL YEAR AVERAGE COST (ACTUAL, \$M)	FISCAL YEAR AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
49	3	15.233	14.676	.557	3.66
50	37	8.438	9.174	-.736	8.72
51	306	6.279	6.328	-.049	.78
52	807	6.143	5.336	.807	13.14
52	1127	5.001	5.033	-.032	.64
53	1482	4.428	4.797	-.369	8.33

**TOTAL FLYAWAY**

FY	PLOT POINT QUANTITY	FISCAL YEAR AVERAGE COST (ACTUAL, \$M)	FISCAL YEAR AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
49	3	17.971	17.174	.797	4.43
50	37	9.955	10.876	-.921	9.25
51	306	7.389	7.581	-.192	2.60
52	807	7.272	6.424	.848	11.66
52	1127	6.133	6.069	.064	1.04
53	1482	5.425	5.792	-.367	6.76

B-47B/E

B-47B/E

## CUMULATIVE AVERAGE COST CURVES

	CALC SLOPE	CALC FIRST COST	CAC(100)	R2
AIRFRAME	.892	16.516	7.744	.991
AIRFRAME & ENGINE	.893	19.258	9.103	.992
TOTAL FLYAWAY	.894	22.631	10.756	.991

## AIRFRAME

FY	CUMULATIVE QUANTITY	CUMULATIVE AVERAGE COST (ACTUAL, \$M)	CUMULATIVE AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
49	5	12.997	12.675	.322	2.48
50	86	7.536	7.939	-.403	5.35
51	618	5.630	5.740	-.110	1.95
52	1016	5.496	5.289	.207	3.77
52	1243	5.250	5.116	.134	2.55
53	1738	4.755	4.842	-.087	1.83

## AIRFRAME &amp; ENGINE

FY	CUMULATIVE QUANTITY	CUMULATIVE AVERAGE COST (ACTUAL, \$M)	CUMULATIVE AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
49	5	15.233	14.821	.412	2.70
50	86	8.833	9.329	-.496	5.62
51	618	6.635	6.768	-.133	2.00
52	1016	6.442	6.242	.200	3.10
52	1243	6.179	6.041	.138	2.23
53	1738	5.680	5.720	-.040	.70

## TOTAL FLYAWAY

FY	CUMULATIVE QUANTITY	CUMULATIVE AVERAGE COST (ACTUAL, \$M)	CUMULATIVE AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
49	5	17.971	17.450	.521	2.90
50	86	10.421	11.021	-.600	5.76
51	618	7.811	8.014	-.203	2.60
52	1016	7.600	7.396	.204	2.68
52	1243	7.332	7.159	.173	2.36
53	1738	6.789	6.782	.007	.10

B-52B

B-52B

PHYSICAL AND PERFORMANCE  
CHARACTERISTICS

MANUFACTURER:	BOEING
WING (FIXED/ROTARY):	FIXED
CTOL/VSTOL/STOL/OTHER:	CTOL
AIRFRAME PERFORMANCE:	NOT MEASURED
AIRCRAFT SYSTEM PERFORMANCE:	NOT MEASURED
ENGINE NUMBER:	J-57-P-1-WA
NUMBER OF ENGINES:	8
SERVICE:	AIR FORCE

## B-52B

TOTAL OBLIGATIONAL AUTHORITY  
(MILLIONS OF THEN-YEAR DOLLARS)

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
52	17	379.977	48.316	1.110	.188	4.323	433.913
53	33	186.443	79.058	1.950	.388	19.791	287.630

## MILLIONS OF CONSTANT FY81 DOLLARS

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
52	17	1306.212	166.091	3.816	.646	14.861	1491.623
53	33	625.648	265.295	6.544	1.302	66.413	965.201
TOTAL	50	1931.859	431.387	10.359	1.948	81.274	2456.824

FISCAL YEAR LOT AVERAGE COSTS  
(MILLIONS OF CONSTANT FY81 DOLLARS)

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
52	17	76.836	9.770	.224	.038	.874	87.743
53	33	18.959	8.039	.198	.039	2.013	29.249
TOTAL	50	38.637	8.628	.207	.039	1.625	49.136

CUMULATIVE AVERAGE COSTS  
(MILLIONS OF CONSTANT FY81 DOLLARS)

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
52	17	76.836	9.770	.224	.038	.874	87.743
53	50	38.637	8.628	.207	.039	1.625	49.136

B-52C

B-52C

PHYSICAL AND PERFORMANCE  
CHARACTERISTICS

MANUFACTURER:	BOEING
WING (FIXED/ROTARY):	FIXED
CTOL/VSTOL/STOL/OTHER:	CTOL
AIRFRAME PERFORMANCE:	NOT MEASURED
AIRCRAFT SYSTEM PERFORMANCE:	NOT MEASURED
ENGINE NUMBER:	J-57-P-19W
NUMBER OF ENGINES:	8
SERVICE:	AIR FORCE

## B-52C

TOTAL OBLIGATIONAL AUTHORITY  
(MILLIONS OF THEN-YEAR DOLLARS)

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
53	10	54.835	23.957	.851	.119	5.740	85.502
54	25	132.731	29.006	1.648	.265	4.527	168.177

## MILLIONS OF CONSTANT FY81 DOLLARS

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
53	10	184.010	80.393	2.856	.399	19.262	286.919
54	25	430.945	94.175	5.351	.860	14.698	546.029
<b>TOTAL</b>	<b>35</b>	<b>614.955</b>	<b>174.568</b>	<b>8.206</b>	<b>1.260</b>	<b>33.960</b>	<b>832.949</b>

FISCAL YEAR LOT AVERAGE COSTS  
(MILLIONS OF CONSTANT FY81 DOLLARS)

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
53	10	18.401	8.039	.286	.040	1.926	28.692
54	25	17.238	3.767	.214	.034	.588	21.841
<b>TOTAL</b>	<b>35</b>	<b>17.570</b>	<b>4.988</b>	<b>.234</b>	<b>.036</b>	<b>.970</b>	<b>23.799</b>

CUMULATIVE AVERAGE COSTS  
(MILLIONS OF CONSTANT FY81 DOLLARS)

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
53	10	18.401	8.039	.286	.040	1.926	28.692
54	35	17.570	4.988	.234	.036	.970	23.799

B-52D

B-52D

**PHYSICAL AND PERFORMANCE  
CHARACTERISTICS**

MANUFACTURER: BOEING

WING (FIXED/ROTARY): FIXED

CTOL/VSTOL/STOL/OTHER: CTOL

AIRFRAME PERFORMANCE: 41.6

AIRCRAFT SYSTEM PERFORMANCE: 44.9

ENGINE NUMBER: J-57-P-19W

NUMBER OF ENGINES: 8

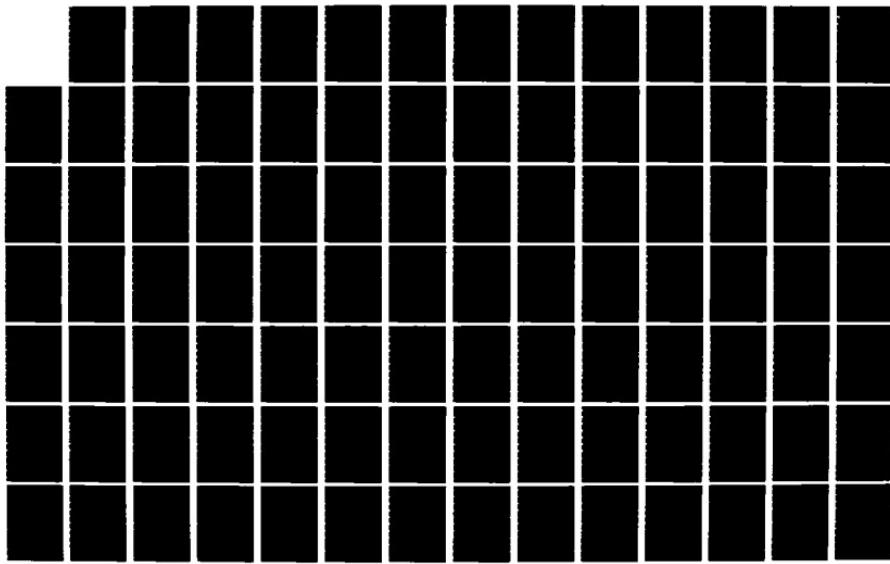
SERVICE: AIR FORCE

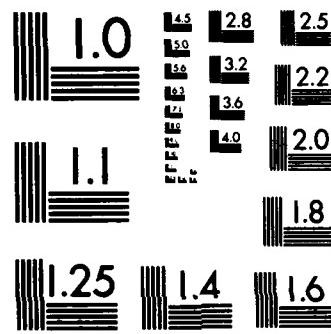
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**TOTAL OBLIGATIONAL AUTHORITY  
(MILLIONS OF THEN-YEAR DOLLARS)**

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
55	77	440.636	104.619	4.441	2.386	48.275	600.356
56	93	350.628	114.922	7.224	.622	44.945	518.380

**MILLIONS OF CONSTANT FY81 DOLLARS**

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
55	77	1369.711	325.207	13.805	7.417	150.062	1866.198
56	93	1055.790	346.046	21.752	1.873	135.336	1560.915
<b>TOTAL</b>	<b>170</b>	<b>2425.501</b>	<b>671.253</b>	<b>35.557</b>	<b>9.290</b>	<b>285.398</b>	<b>3427.114</b>

**FISCAL YEAR LOT AVERAGE COSTS  
(MILLIONS OF CONSTANT FY81 DOLLARS)**

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
55	77	17.788	4.223	.179	.096	1.949	24.236
56	93	11.353	3.721	.234	.020	1.455	16.784
<b>TOTAL</b>	<b>170</b>	<b>14.268</b>	<b>3.949</b>	<b>.209</b>	<b>.055</b>	<b>1.679</b>	<b>20.159</b>

**CUMULATIVE AVERAGE COSTS  
(MILLIONS OF CONSTANT FY81 DOLLARS)**

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
55	77	17.788	4.223	.179	.096	1.949	24.236
56	170	14.268	3.949	.209	.055	1.679	20.159

B-52E

B-52E

PHYSICAL AND PERFORMANCE  
CHARACTERISTICS

MANUFACTURER:	BOEING
WING (FIXED/ROTARY):	FIXED
CTOL/VSTOL/STOL/OTHER:	CTOL
AIRFRAME PERFORMANCE:	NOT MEASURED
AIRCRAFT SYSTEM PERFORMANCE:	NOT MEASURED
ENGINE NUMBER:	J-57-P-19W
NUMBER OF ENGINES:	8
SERVICE:	AIR FORCE

B-52E

**TOTAL OBLIGATIONAL AUTHORITY  
(MILLIONS OF THEN-YEAR DOLLARS)**

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
56	40	159.785	49.429	1.903	.282	47.067	258.466
57	60	210.288	83.210	3.590	0.000	46.335	343.423

**MILLIONS OF CONSTANT FY81 DOLLARS**

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
56	40	481.135	148.838	5.730	.849	141.725	778.278
57	60	631.875	250.030	10.787	0.000	139.228	1031.920
<b>TOTAL</b>	<b>100</b>	<b>1113.010</b>	<b>398.868</b>	<b>16.517</b>	<b>.849</b>	<b>280.953</b>	<b>1810.198</b>

**FISCAL YEAR LOT AVERAGE COSTS  
(MILLIONS OF CONSTANT FY81 DOLLARS)**

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
56	40	12.028	3.721	.143	.021	3.543	19.457
57	60	10.531	4.167	.180	0.000	2.320	17.199
<b>TOTAL</b>	<b>100</b>	<b>11.130</b>	<b>3.989</b>	<b>.165</b>	<b>.008</b>	<b>2.810</b>	<b>18.102</b>

**CUMULATIVE AVERAGE COSTS  
(MILLIONS OF CONSTANT FY81 DOLLARS)**

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
56	40	12.028	3.721	.143	.021	3.543	19.457
57	100	11.130	3.989	.165	.008	2.810	18.102

B-52F

B-52F

PHYSICAL AND PERFORMANCE  
CHARACTERISTICS

MANUFACTURER:	BOEING
WING (FIXED/ROTARY):	FIXED
CTOL/VSTOL/STOL/OTHER:	CTOL
AIRFRAME PERFORMANCE:	NOT MEASURED
AIRCRAFT SYSTEM PERFORMANCE:	NOT MEASURED
ENGINE NUMBER:	J-57-P-43WA
NUMBER OF ENGINES:	8
SERVICE:	AIR FORCE

## B-52F

TOTAL OBLIGATIONAL AUTHORITY  
(MILLIONS OF THEN-YEAR DOLLARS)

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
57	89	343.718	162.870	5.518	.267	78.587	590.960

## MILLIONS OF CONSTANT FY81 DOLLARS

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
57	89	1032.806	489.393	16.581	.802	236.139	1775.721
<b>TOTAL</b>	<b>89</b>	<b>1032.806</b>	<b>489.393</b>	<b>16.581</b>	<b>.802</b>	<b>236.139</b>	<b>1775.721</b>

FISCAL YEAR LOT AVERAGE COSTS  
(MILLIONS OF CONSTANT FY81 DOLLARS)

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
57	89	11.605	5.499	.186	.009	2.653	19.952
<b>TOTAL</b>	<b>89</b>	<b>11.605</b>	<b>5.499</b>	<b>.186</b>	<b>.009</b>	<b>2.653</b>	<b>19.952</b>

CUMULATIVE AVERAGE COSTS  
(MILLIONS OF CONSTANT FY81 DOLLARS)

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
57	89	11.605	5.499	.186	.009	2.653	19.952

**B-52G**

**B-52G**

**PHYSICAL AND PERFORMANCE  
CHARACTERISTICS**

MANUFACTURER:	BOEING
WING (FIXED/ROTARY):	FIXED
CTOL/VSTOL/STOL/OTHER:	CTOL
AIRFRAME PERFORMANCE:	41.6
AIRCRAFT SYSTEM PERFORMANCE:	46.67
ENGINE NUMBER:	J-57-P-43WB
NUMBER OF ENGINES:	8
SERVICE:	AIR FORCE

## B-52G

TOTAL OBLIGATIONAL AUTHORITY  
(MILLIONS OF THEN-YEAR DOLLARS)

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
57	53	404.407	102.979	1.521	0.000	0.000	558.207
58	101	496.213	123.321	0.000	0.000	0.000	713.060
59	39	193.674	51.324	0.000	0.000	0.000	279.474

## MILLIONS OF CONSTANT FY81 DOLLARS

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
57	53	1215.165	309.432	4.570	0.000	0.000	1677.305
58	101	1511.002	375.521	0.000	0.000	0.000	2171.315
59	39	592.638	157.050	0.000	0.000	0.000	855.184
<b>TOTAL</b>	<b>193</b>	<b>3318.805</b>	<b>842.003</b>	<b>4.570</b>	<b>0.000</b>	<b>0.000</b>	<b>4703.804</b>

FISCAL YEAR LOT AVERAGE COSTS  
(MILLIONS OF CONSTANT FY81 DOLLARS)

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
57	53	22.928	5.838	.086	0.000	0.000	31.647
58	101	14.960	3.718	0.000	0.000	0.000	21.498
59	39	15.196	4.027	0.000	0.000	0.000	21.928
<b>TOTAL</b>	<b>193</b>	<b>17.196</b>	<b>4.363</b>	<b>.024</b>	<b>0.000</b>	<b>0.000</b>	<b>24.372</b>

CUMULATIVE AVERAGE COSTS  
(MILLIONS OF CONSTANT FY81 DOLLARS)

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
57	53	22.928	5.838	.086	0.000	0.000	31.647
58	154	17.702	4.448	.030	0.000	0.000	24.991
59	193	17.196	4.363	.024	0.000	0.000	24.372

B-526

B-526

## UNIT COST CURVES

	CALC SLOPE	CALC FIRST COST	UNIT 100	R2
AIRFRAME	.869	40.734	16.072	.924
AIRFRAME & ENGINE	.871	50.712	20.204	.909
TOTAL FLYAWAY	.882	53.119	23.008	.916

## AIRFRAME

FY	PLOT POINT QUANTITY	FISCAL YEAR AVERAGE COST (ACTUAL, \$M)	FISCAL YEAR AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
57	19	22.928	22.500	.428	1.87
58	99	14.960	16.112	-1.152	7.70
59	174	15.196	14.378	.818	5.38

## AIRFRAME &amp; ENGINE

FY	PLOT POINT QUANTITY	FISCAL YEAR AVERAGE COST (ACTUAL, \$M)	FISCAL YEAR AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
57	19	28.766	28.180	.586	2.04
58	99	18.678	20.253	-1.575	8.43
59	174	19.223	18.097	1.126	5.86

## TOTAL FLYAWAY

FY	PLOT POINT QUANTITY	FISCAL YEAR AVERAGE COST (ACTUAL, \$M)	FISCAL YEAR AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
57	19	31.647	31.088	.559	1.77
58	99	21.498	23.055	-1.557	7.24
59	174	21.928	20.815	1.113	5.08

## CUMULATIVE AVERAGE COST CURVES

	CALC SLOPE	CALC FIRST COST	CAC(100)	R2
AIRFRAME	.853	56.752	19.785	.995
AIRFRAME & ENGINE	.853	71.527	24.798	.994
TOTAL FLYAWAY	.866	72.169	27.671	.994

## AIRFRAME

FY	CUMULATIVE QUANTITY	CUMULATIVE AVERAGE COST (ACTUAL, \$M)	CUMULATIVE AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
57	53	22.928	22.878	.050	.22
58	154	17.702	17.923	-.221	1.25
59	193	17.196	17.021	.175	1.02

## AIRFRAME &amp; ENGINE

FY	CUMULATIVE QUANTITY	CUMULATIVE AVERAGE COST (ACTUAL, \$M)	CUMULATIVE AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
57	53	28.766	28.698	.068	.24
58	154	22.150	22.454	-.304	1.37
59	193	21.559	21.318	.241	1.12

## TOTAL FLYAWAY

FY	CUMULATIVE QUANTITY	CUMULATIVE AVERAGE COST (ACTUAL, \$M)	CUMULATIVE AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
57	53	31.647	31.581	.066	.21
58	154	24.991	25.293	-.302	1.21
59	193	24.372	24.132	.240	.98

B-52H

B-52H

**PHYSICAL AND PERFORMANCE  
CHARACTERISTICS**

MANUFACTURER:	BOEING
WING (FIXED/ROTARY):	FIXED
CTOL/VSTOL/STOL/OTHER:	CTOL
AIRFRAME PERFORMANCE:	44.94
AIRCRAFT SYSTEM PERFORMANCE:	51.77
ENGINE NUMBER:	TF-33-P-3
NUMBER OF ENGINES:	8
SERVICE:	AIR FORCE

## B-52H

TOTAL OBLIGATIONAL AUTHORITY  
(MILLIONS OF THEM-YEAR DOLLARS)

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
60	62	384.529	103.316	0.000	0.000	0.000	600.895
61	40	262.040	64.520	0.000	0.000	0.000	377.360

## MILLIONS OF CONSTANT FY81 DOLLARS

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
60	62	1169.137	314.126	0.000	0.000	0.000	18.1
61	40	801.836	197.430	0.000	0.000	0.000	11.1
<b>TOTAL</b>	<b>102</b>	<b>1970.973</b>	<b>511.555</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>2981.696</b>

FISCAL YEAR LOT AVERAGE COSTS  
(MILLIONS OF CONSTANT FY81 DOLLARS)

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
60	62	18.857	5.067	0.000	0.000	0.000	29.467
61	40	20.046	4.936	0.000	0.000	0.000	28.868
<b>TOTAL</b>	<b>102</b>	<b>19.323</b>	<b>5.015</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>29.232</b>

CUMULATIVE AVERAGE COSTS  
(MILLIONS OF CONSTANT FY81 DOLLARS)

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
60	62	18.857	5.067	0.000	0.000	0.000	29.467
61	102	19.323	5.015	0.000	0.000	0.000	29.232

B-57A

B-57A

PHYSICAL AND PERFORMANCE  
CHARACTERISTICS

MANUFACTURER:	MARTIN
WING (FIXED/ROTARY):	FIXED
CTOL/VSTOL/STOL/OTHER:	CTOL
AIRFRAME PERFORMANCE:	10.17
AIRCRAFT SYSTEM PERFORMANCE:	8.26
ENGINE NUMBER:	J65-W-5F
NUMBER OF ENGINES:	2
SERVICE:	AIR FORCE

## B-57A

TOTAL OBLIGATIONAL AUTHORITY  
(MILLIONS OF THEN-YEAR DOLLARS)

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
52	8	71.503	2.795	.166	.059	.270	74.793*

## MILLIONS OF CONSTANT FY81 DOLLARS

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
52	8	245.799	9.608	.571	.203	.928	257.109*
<b>TOTAL</b>	<b>8</b>	<b>245.799</b>	<b>9.608</b>	<b>.571</b>	<b>.203</b>	<b>.928</b>	<b>257.109</b>

FISCAL YEAR LOT AVERAGE COSTS  
(MILLIONS OF CONSTANT FY81 DOLLARS)

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
52	8	30.725	1.201	.071	.025	.116	32.139*
<b>TOTAL</b>	<b>8</b>	<b>30.725</b>	<b>1.201</b>	<b>.071</b>	<b>.025</b>	<b>.116</b>	<b>32.139</b>

CUMULATIVE AVERAGE COSTS  
(MILLIONS OF CONSTANT FY81 DOLLARS)

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
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\*\* = R&amp;D LOT DATA

**B-57B**

**B-57B**

**PHYSICAL AND PERFORMANCE  
CHARACTERISTICS**

MANUFACTURER:	MARTIN
WING (FIXED/ROTARY):	FIXED
CTOL/VSTOL/STOL/OTHER:	CTOL
AIRFRAME PERFORMANCE:	10.17
AIRCRAFT SYSTEM PERFORMANCE:	8.26
ENGINE NUMBER:	J65-BW-5F
NUMBER OF ENGINES:	2
SERVICE:	AIR FORCE

## B-57B

TOTAL OBLIGATIONAL AUTHORITY  
(MILLIONS OF THEN-YEAR DOLLARS)

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
52	102	100.484	36.134	5.213	.817	9.373	152.021
53	100	71.780	16.386	2.618	2.433	10.126	103.343

## MILLIONS OF CONSTANT FY81 DOLLARS

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
52	102	345.425	124.215	17.920	2.809	32.221	522.589
53	100	240.872	54.987	8.785	8.164	33.980	346.789
TOTAL	202	586.297	179.201	26.705	10.973	66.201	869.377

FISCAL YEAR LOT AVERAGE COSTS  
(MILLIONS OF CONSTANT FY81 DOLLARS)

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
52	102	3.387	1.218	.176	.028	.316	5.123
53	100	2.409	.550	.088	.082	.340	3.468
TOTAL	202	2.902	.887	.132	.054	.328	4.304

CUMULATIVE AVERAGE COSTS  
(MILLIONS OF CONSTANT FY81 DOLLARS)

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
52	102	3.387	1.218	.176	.028	.316	5.123
53	202	2.902	.887	.132	.054	.328	4.304

B-57C

B-57C

**PHYSICAL AND PERFORMANCE  
CHARACTERISTICS**

MANUFACTURER:	MARTIN
WING (FIXED/ROTARY):	FIXED
CTOL/VSTOL/STOL/OTHER:	CTOL
AIRFRAME PERFORMANCE:	10.17
AIRCRAFT SYSTEM PERFORMANCE:	8.26
ENGINE NUMBER:	J65-BW-5F
NUMBER OF ENGINES:	2
SERVICE:	AIR FORCE

## B-57C

TOTAL OBLIGATIONAL AUTHORITY  
(MILLIONS OF THEN-YEAR DOLLARS)

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
53	36	28.717	5.203	.714	.724	3.997	39.355

## MILLIONS OF CONSTANT FY81 DOLLARS

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
53	36	96.366	17.460	2.396	2.430	13.413	132.064
TOTAL	36	96.366	17.460	2.396	2.430	13.413	132.064

FISCAL YEAR LOT AVERAGE COSTS  
(MILLIONS OF CONSTANT FY81 DOLLARS)

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
53	36	2.677	.485	.067	.067	.373	3.668
TOTAL	36	2.677	.485	.067	.067	.373	3.668

CUMULATIVE AVERAGE COSTS  
(MILLIONS OF CONSTANT FY81 DOLLARS)

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
53	36	2.677	.485	.067	.067	.373	3.668

B-57E

B-57E

PHYSICAL AND PERFORMANCE  
CHARACTERISTICS

MANUFACTURER:	MARTIN
WING (FIXED/ROTARY):	FIXED
CTOL/VSTOL/STOL/OTHER:	CTOL
AIRFRAME PERFORMANCE:	10.17
AIRCRAFT SYSTEM PERFORMANCE:	8.26
ENGINE NUMBER:	J65-BW-5F
NUMBER OF ENGINES:	2
SERVICE:	AIR FORCE

## B-57E

TOTAL OBLIGATIONAL AUTHORITY  
(MILLIONS OF THEN-YEAR DOLLARS)

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
53	2	6.102	.289	.041	.051	.216	6.699*
55	68	57.632	9.231	1.522	.090	1.367	61.842

## MILLIONS OF CONSTANT FY81 DOLLARS

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
53	2	20.477	.970	.138	.171	.725	22.480*
55	68	179.148	28.694	4.731	.280	4.249	192.235
<b>TOTAL</b>	<b>70</b>	<b>199.625</b>	<b>29.664</b>	<b>4.869</b>	<b>.451</b>	<b>4.974</b>	<b>214.715</b>

FISCAL YEAR LOT AVERAGE COSTS  
(MILLIONS OF CONSTANT FY81 DOLLARS)

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
53	2	10.238	.485	.069	.086	.362	11.240*
55	68	2.635	.422	.070	.004	.062	2.827
<b>TOTAL</b>	<b>70</b>	<b>2.852</b>	<b>.424</b>	<b>.070</b>	<b>.006</b>	<b>.071</b>	<b>3.067</b>

CUMULATIVE AVERAGE COSTS  
(MILLIONS OF CONSTANT FY81 DOLLARS)

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
55	68	2.635	.422	.070	.004	.062	2.827

\*\*\* = R&amp;D LOT DATA

B-57B/C/E

B-57B/C/E

PHYSICAL AND PERFORMANCE  
CHARACTERISTICS

MANUFACTURER:	MARTIN
WING (FIXED/ROTARY):	FIXED
CTOL/VSTOL/STOL/OTHER:	CTOL
AIRFRAME PERFORMANCE:	10.17
AIRCRAFT SYSTEM PERFORMANCE:	8.26
ENGINE NUMBER:	J65-W-5F
NUMBER OF ENGINES:	2
SERVICE:	AIR FORCE

## B-578/C/E

TOTAL OBLIGATIONAL AUTHORITY  
(MILLIONS OF THEN-YEAR DOLLARS)

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
52	102	100.484	36.134	5.213	.817	9.373	152.021
53	100	71.780	16.386	2.618	2.433	10.126	103.343
53	36	28.717	5.203	.714	.724	3.997	39.355
55	68	57.632	9.231	1.522	.090	1.367	61.842

## MILLIONS OF CONSTANT FY81 DOLLARS

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
52	102	345.425	124.215	17.920	2.809	32.221	522.589
53	100	240.872	54.987	8.785	8.164	33.980	346.789
53	36	96.366	17.460	2.396	2.430	13.413	132.064
55	68	179.148	28.694	4.731	.280	4.249	192.235
<b>TOTAL</b>	<b>306</b>	<b>861.811</b>	<b>225.355</b>	<b>33.833</b>	<b>13.682</b>	<b>83.863</b>	<b>1193.676</b>

B-57B/C/E

B-57B/C/E

FISCAL YEAR LOT AVERAGE COSTS  
(MILLIONS OF CONSTANT FY81 DOLLARS)

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
52	102	3.387	1.218	.176	.028	.316	5.123
53	100	2.409	.550	.088	.082	.340	3.468
53	36	2.677	.485	.067	.067	.373	3.668
55	68	2.635	.422	.070	.004	.062	2.827
TOTAL	306	2.816	.736	.111	.045	.274	3.901

CUMULATIVE AVERAGE COSTS  
(MILLIONS OF CONSTANT FY81 DOLLARS)

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
52	102	3.387	1.218	.176	.028	.316	5.123
53	202	2.902	.887	.132	.054	.328	4.304
53	238	2.868	.826	.122	.056	.335	4.208
55	306	2.816	.736	.111	.045	.274	3.901

## B-57B/C/E

## UNIT COST CURVES

	CALC SLOPE	CALC FIRST COST	UNIT 100	R2
AIRFRAME	.911	5.314	2.865	.696
AIRFRAME & ENGINE	.865	9.397	3.595	.869
TOTAL FLYAWAY	.843	12.322	3.948	.872

## AIRFRAME

FY	PLOT POINT QUANTITY	FISCAL YEAR AVERAGE COST (ACTUAL, \$M)	FISCAL YEAR AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
52	36	3.387	3.281	.106	3.13
53	149	2.409	2.715	-.306	12.70
53	220	2.677	2.577	.100	3.74
55	272	2.635	2.506	.129	4.90

## AIRFRAME &amp; ENGINE

FY	PLOT POINT QUANTITY	FISCAL YEAR AVERAGE COST (ACTUAL, \$M)	FISCAL YEAR AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
52	35	4.604	4.473	.131	2.85
53	149	2.959	3.308	-.349	11.79
53	220	3.162	3.049	.113	3.57
55	272	3.057	2.918	.139	4.55

## TOTAL FLYAWAY

FY	PLOT POINT QUANTITY	FISCAL YEAR AVERAGE COST (ACTUAL, \$M)	FISCAL YEAR AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
52	34	5.123	5.140	-.017	.33
53	149	3.468	3.578	-.110	3.17
53	220	3.668	3.248	.420	11.45
55	272	2.827	3.084	-.257	9.09

B-57B/C/E

B-57B/C/E

## CUMULATIVE AVERAGE COST CURVES

	CALC SLOPE	CALC FIRST COST	CAC(100)	R2
AIRFRAME	.885	7.571	3.363	--
AIRFRAME & ENGINE	.845	14.047	4.586	.981
TOTAL FLYAWAY	.844	15.870	5.147	.996
<b>AIRFRAME</b>				
FY	CUMULATIVE QUANTITY	CUMULATIVE AVERAGE COST (ACTUAL, \$M)	CUMULATIVE AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED
--	-----	-----	-----	-----
52	102	3.387	3.352	.035
53	202	2.902	2.971	-.069
53	238	2.868	2.887	-.019
55	306	2.816	2.762	.054
<b>AIRFRAME &amp; ENGINE</b>				
FY	CUMULATIVE QUANTITY	CUMULATIVE AVERAGE COST (ACTUAL, \$M)	CUMULATIVE AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED
--	-----	-----	-----	-----
52	102	4.604	4.564	.040
53	202	3.790	3.866	-.076
53	238	3.695	3.715	-.020
55	306	3.553	3.495	.058
<b>TOTAL FLYAWAY</b>				
FY	CUMULATIVE QUANTITY	CUMULATIVE AVERAGE COST (ACTUAL, \$M)	CUMULATIVE AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED
--	-----	-----	-----	-----
52	102	5.123	5.122	.001
53	202	4.304	4.334	-.030
53	238	4.208	4.164	.044
55	306	3.901	3.916	-.015

B-66B

B-66B

PHYSICAL AND PERFORMANCE  
CHARACTERISTICS

MANUFACTURER:	DOUGLAS
WING (FIXED/ROTARY):	FIXED
CTOL/VSTOL/STOL/OTHER:	CTOL
AIRFRAME PERFORMANCE:	9.91
AIRCRAFT SYSTEM PERFORMANCE:	8.26
ENGINE NUMBER:	J71-A-13
NUMBER OF ENGINES:	2
SERVICE:	AIR FORCE

## B-66B

TOTAL OBLIGATIONAL AUTHORITY  
(MILLIONS OF THEN-YEAR DOLLARS)

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
53	26	104.407	14.874	.318	.253	3.520	123.372
54	33	59.602	10.464	.431	.344	6.757	77.598
55	13	17.108	3.518	.159	.168	3.499	24.452

## MILLIONS OF CONSTANT FY81 DOLLARS

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
53	26	350.359	49.913	1.067	.849	11.812	414.000
54	33	193.513	33.974	1.399	1.117	21.938	251.942
55	13	53.180	10.936	.494	.522	10.877	76.009
<b>TOTAL</b>	<b>72</b>	<b>597.052</b>	<b>94.822</b>	<b>2.961</b>	<b>2.488</b>	<b>44.627</b>	<b>741.950</b>

FISCAL YEAR LOT AVERAGE COSTS  
(MILLIONS OF CONSTANT FY81 DOLLARS)

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
53	26	13.475	1.920	.041	.033	.454	15.923
54	33	5.864	1.030	.042	.034	.665	7.635
55	13	4.091	.841	.038	.040	.837	5.847
<b>TOTAL</b>	<b>72</b>	<b>8.292</b>	<b>1.317</b>	<b>.041</b>	<b>.035</b>	<b>.620</b>	<b>10.305</b>

CUMULATIVE AVERAGE COSTS  
(MILLIONS OF CONSTANT FY81 DOLLARS)

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
53	26	13.475	1.920	.041	.033	.454	15.923
54	59	9.218	1.422	.042	.033	.572	11.287
55	72	8.292	1.317	.041	.035	.620	10.305

B-66B

B-66B

## UNIT COST CURVES

	CALC SLOPE	CALC FIRST COST	UNIT 100	R2
AIRFRAME	.676	45.398	3.369	--
AIRFRAME & ENGINE	.686	49.743	4.072	.995
TOTAL FLYAWAY	.712	46.114	4.848	.998

## AIRFRAME

FY	PLOT POINT QUANTITY	FISCAL YEAR AVERAGE COST (ACTUAL, \$M)	FISCAL YEAR AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
53	8	13.475	13.643	-.168	1.25
54	41	5.864	5.553	.311	5.30
55	66	4.091	4.267	-.176	4.30

## AIRFRAME &amp; ENGINE

FY	PLOT POINT QUANTITY	FISCAL YEAR AVERAGE COST (ACTUAL, \$M)	FISCAL YEAR AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
53	8	15.395	15.557	-.162	1.05
54	41	6.894	6.584	.310	4.50
55	66	4.932	5.110	-.178	3.61

## TOTAL FLYAWAY

FY	PLOT POINT QUANTITY	FISCAL YEAR AVERAGE COST (ACTUAL, \$M)	FISCAL YEAR AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
53	9	15.923	16.005	-.082	.51
54	41	7.635	7.466	.169	2.21
55	66	5.847	5.948	-.101	1.73

## B-66B

## CUMULATIVE AVERAGE COST CURVES

	CALC SLOPE	CALC FIRST COST	CAC(100)	R2
AIRFRAME	.721	62.963	7.137	.999
AIRFRAME & ENGINE	.727	68.820	8.302	1.000
TOTAL FLYAWAY	.745	63.655	8.987	1.000

## AIRFRAME

FY	CUMULATIVE QUANTITY	CUMULATIVE AVERAGE COST (ACTUAL, \$M)	CUMULATIVE AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
--	-----	-----	-----	-----	-----
53	26	13.475	13.492	-.017	.13
54	59	9.218	9.159	.059	.64
55	72	8.292	8.336	-.044	.53

## AIRFRAME &amp; ENGINE

FY	CUMULATIVE QUANTITY	CUMULATIVE AVERAGE COST (ACTUAL, \$M)	CUMULATIVE AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
--	-----	-----	-----	-----	-----
53	26	15.395	15.412	-.017	.11
54	59	10.640	10.579	.061	.57
55	72	9.609	9.654	-.045	.47

## TOTAL FLYAWAY

FY	CUMULATIVE QUANTITY	CUMULATIVE AVERAGE COST (ACTUAL, \$M)	CUMULATIVE AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
--	-----	-----	-----	-----	-----
53	26	15.923	15.934	-.011	.07
54	59	11.287	11.247	.040	.35
55	72	10.305	10.334	-.029	.28

F-1B(FJ-2)

F-1B(FJ-2)

PHYSICAL AND PERFORMANCE  
CHARACTERISTICS

MANUFACTURER:	NORTH AMERICAN
WING (FIXED/ROTARY):	FIXED
CTOL/VSTOL/STOL/OTHER:	CTOL
AIRFRAME PERFORMANCE:	5.9
AIRCRAFT SYSTEM PERFORMANCE:	5.29
ENGINE NUMBER:	J47-GE-2
NUMBER OF ENGINES:	1
SERVICE:	NAVY

F-1B(FJ-2)

**TOTAL OBLIGATIONAL AUTHORITY  
(MILLIONS OF THEN-YEAR DOLLARS)**

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
52	200	101.024	9.086	3.639	6.679	.606	121.030

**MILLIONS OF CONSTANT FY81 DOLLARS**

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
52	200	346.923	31.202	12.497	22.936	2.081	415.625
<b>TOTAL</b>	<b>200</b>	<b>346.923</b>	<b>31.202</b>	<b>12.497</b>	<b>22.936</b>	<b>2.081</b>	<b>415.625</b>

**FISCAL YEAR LOT AVERAGE COSTS  
(MILLIONS OF CONSTANT FY81 DOLLARS)**

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
52	200	1.735	.156	.062	.115	.010	2.078
<b>TOTAL</b>	<b>200</b>	<b>1.735</b>	<b>.156</b>	<b>.062</b>	<b>.115</b>	<b>.010</b>	<b>2.078</b>

**CUMULATIVE AVERAGE COSTS  
(MILLIONS OF CONSTANT FY81 DOLLARS)**

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
52	200	1.735	.156	.062	.115	.010	2.078

F-1C(FJ-3)

F-1C(FJ-3)

**PHYSICAL AND PERFORMANCE  
CHARACTERISTICS**

MANUFACTURER:	NORTH AMERICAN
WING (FIXED/ROTARY):	FIXED
CTOL/VSTOL/STOL/OTHER:	CTOL
AIRFRAME PERFORMANCE:	5.9
AIRCRAFT SYSTEM PERFORMANCE:	5.29
ENGINE NUMBER:	J65-W-2
NUMBER OF ENGINES:	1
SERVICE:	NAVY

F-1C(FJ-3)

**TOTAL OBLIGATIONAL AUTHORITY  
(MILLIONS OF THEN-YEAR DOLLARS)**

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
--	--	-----	-----	-----	-----	-----	-----
53	344	88.552	27.512	6.290	8.007	3.063	157.503

**MILLIONS OF CONSTANT FY81 DOLLARS**

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
--	--	-----	-----	-----	-----	-----	-----
53	344	300.584	93.388	21.351	27.179	10.397	534.633
TOTAL	344	300.584	93.388	21.351	27.179	10.397	534.633

**FISCAL YEAR LOT AVERAGE COSTS  
(MILLIONS OF CONSTANT FY81 DOLLARS)**

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
--	--	-----	-----	-----	-----	-----	-----
53	344	.874	.271	.062	.079	.030	1.554
TOTAL	344	.874	.271	.062	.079	.030	1.554

**CUMULATIVE AVERAGE COSTS  
(MILLIONS OF CONSTANT FY81 DOLLARS)**

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
--	--	-----	-----	-----	-----	-----	-----
53	344	.874	.271	.062	.079	.030	1.554

**MF-1C(FJ-3M)**

**MF-1C(FJ-3M)**

**PHYSICAL AND PERFORMANCE  
CHARACTERISTICS**

<b>MANUFACTURER:</b>	<b>NORTH AMERICAN</b>
<b>WING (FIXED/ROTARY):</b>	<b>FIXED</b>
<b>CTOL/VSTOL/STOL/OTHER:</b>	<b>CTOL</b>
<b>AIRFRAME PERFORMANCE:</b>	<b>5.9</b>
<b>AIRCRAFT SYSTEM PERFORMANCE:</b>	<b>5.29</b>
<b>ENGINE NUMBER:</b>	<b>J65-W-4B</b>
<b>NUMBER OF ENGINES:</b>	<b>1</b>
<b>SERVICE:</b>	<b>NAVY</b>

**MF-1C(FJ-3M)**

**TOTAL OBLIGATIONAL AUTHORITY  
(MILLIONS OF THEN-YEAR DOLLARS)**

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
53	45	11.584	3.599	.823	1.047	.401	17.454
54	69	17.220	4.411	.926	1.027	1.763	25.347
55	80	16.523	5.224	1.058	1.461	1.614	25.880

**MILLIONS OF CONSTANT FY81 DOLLARS**

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
53	45	39.321	12.217	2.794	3.554	1.361	59.246
54	69	56.404	14.448	3.033	3.364	5.775	83.023
55	80	51.975	16.433	3.528	4.596	5.077	81.409
<b>TOTAL</b>	<b>194</b>	<b>147.700</b>	<b>43.097</b>	<b>9.155</b>	<b>11.514</b>	<b>12.213</b>	<b>223.679</b>

**FISCAL YEAR LOT AVERAGE COSTS  
(MILLIONS OF CONSTANT FY81 DOLLARS)**

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
53	45	.874	.271	.062	.079	.030	1.317
54	69	.817	.209	.044	.049	.084	1.203
55	80	.650	.205	.042	.057	.063	1.018
<b>TOTAL</b>	<b>194</b>	<b>.761</b>	<b>.222</b>	<b>.047</b>	<b>.059</b>	<b>.063</b>	<b>1.153</b>

**CUMULATIVE AVERAGE COSTS  
(MILLIONS OF CONSTANT FY81 DOLLARS)**

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
53	45	.874	.271	.062	.079	.030	1.317
54	114	.840	.234	.051	.061	.063	1.248
55	194	.761	.222	.047	.059	.063	1.153

MF-1C(FJ-3M)

MF-1C(FJ-3M)

## UNIT COST CURVES

	CALC SLOPE	CALC FIRST COST	UNIT 100	R2
AIRFRAME	.921	1.257	.726	.750
AIRFRAME & ENGINE	.919	1.646	.938	.875
TOTAL FLYAWAY	.928	1.815	1.107	.857

## AIRFRAME

FY	PLOT POINT QUANTITY	FISCAL YEAR AVERAGE COST (ACTUAL, \$M)	FISCAL YEAR AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
53	17	.874	.898	-.024	2.75
54	77	.817	.749	.068	8.32
55	153	.650	.690	-.040	6.15

## AIRFRAME &amp; ENGINE

FY	PLOT POINT QUANTITY	FISCAL YEAR AVERAGE COST (ACTUAL, \$M)	FISCAL YEAR AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
53	17	1.145	1.166	-.021	1.83
54	77	1.027	.968	.059	5.74
55	153	.855	.891	-.036	4.21

## TOTAL FLYAWAY

FY	PLOT POINT QUANTITY	FISCAL YEAR AVERAGE COST (ACTUAL, \$M)	FISCAL YEAR AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
53	17	1.317	1.340	-.023	1.75
54	77	1.203	1.138	.065	5.40
55	153	1.018	1.058	-.040	3.93

## MF-1C(FJ-3M)

## CUMULATIVE AVERAGE COST CURVES

	CALC SLOPE	CALC FIRST COST	CAC(100)	R2
AIRFRAME	.941	1.238	.823	.852
AIRFRAME & ENGINE	.933	1.691	1.065	.942
TOTAL FLYAWAY	.941	1.847	1.237	.930

## AIRFRAME

FY	CUMULATIVE QUANTITY	CUMULATIVE AVERAGE COST (ACTUAL, \$M)	CUMULATIVE AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
53	45	.874	.884	-.010	1.14
54	114	.840	.814	.026	3.10
55	194	.761	.777	-.016	2.10

## AIRFRAME &amp; ENGINE

FY	CUMULATIVE QUANTITY	CUMULATIVE AVERAGE COST (ACTUAL, \$M)	CUMULATIVE AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
53	45	1.145	1.154	-.008	.79
54	114	1.074	1.051	.023	2.14
55	194	.983	.997	-.014	1.42

## TOTAL FLYAWAY

FY	CUMULATIVE QUANTITY	CUMULATIVE AVERAGE COST (ACTUAL, \$M)	CUMULATIVE AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
53	45	1.317	1.326	-.008	.68
54	114	1.248	1.223	.025	2.00
55	194	1.153	1.168	-.015	1.30

F-1E(FJ-4)

F-1E(FJ-4)

**PHYSICAL AND PERFORMANCE  
CHARACTERISTICS**

MANUFACTURER:	NORTH AMERICAN
WING (FIXED/ROTARY):	FIXED
CTOL/VSTOL/STOL/OTHER:	CTOL
AIRFRAME PERFORMANCE:	6.05
AIRCRAFT SYSTEM PERFORMANCE:	5.44
ENGINE NUMBER:	J65-W-4
NUMBER OF ENGINES:	1
SERVICE:	NAVY

F-1E(FJ-4)

**TOTAL OBLIGATIONAL AUTHORITY  
(MILLIONS OF THEN-YEAR DOLLARS)**

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
54	152	98.607	9.760	2.034	2.511	3.139	116.051

**MILLIONS OF CONSTANT FY81 DOLLARS**

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
54	152	322.984	31.969	6.662	8.225	10.282	380.121
TOTAL	152	322.984	31.969	6.662	8.225	10.282	380.121

**FISCAL YEAR LOT AVERAGE COSTS  
(MILLIONS OF CONSTANT FY81 DOLLARS)**

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
54	152	2.125	.210	.044	.054	.068	2.501
TOTAL	152	2.125	.210	.044	.054	.068	2.501

**CUMULATIVE AVERAGE COSTS  
(MILLIONS OF CONSTANT FY81 DOLLARS)**

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
54	152	2.125	.210	.044	.054	.068	2.501

**AF-1E(FJ-4B)**

**AF-1E(FJ-4B)**

**PHYSICAL AND PERFORMANCE  
CHARACTERISTICS**

MANUFACTURER:	NORTH AMERICAN
WING (FIXED/ROTARY):	FIXED
CTOL/VSTOL/STOL/OTHER:	CTOL
AIRFRAME PERFORMANCE:	6.05
AIRCRAFT SYSTEM PERFORMANCE:	5.44
ENGINE NUMBER:	J65-W-16A
NUMBER OF ENGINES:	1
SERVICE:	NAVY

**AF-1E(FJ-4B)**

**TOTAL OBLIGATIONAL AUTHORITY  
(MILLIONS OF THEN-YEAR DOLLARS)**

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
54	25	23.572	1.602	.334	.398	.702	26.608
55	46	37.096	3.008	.521	.923	.876	42.424

**MILLIONS OF CONSTANT FY81 DOLLARS**

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
54	25	77.209	5.247	1.094	1.304	2.299	87.154
55	46	116.691	9.462	1.639	2.903	2.756	133.451
<b>TOTAL</b>	<b>71</b>	<b>193.900</b>	<b>14.709</b>	<b>2.733</b>	<b>4.207</b>	<b>5.055</b>	<b>220.604</b>

**FISCAL YEAR LOT AVERAGE COSTS  
(MILLIONS OF CONSTANT FY81 DOLLARS)**

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
54	25	3.088	.210	.044	.052	.092	3.486
55	46	2.537	.206	.036	.063	.060	2.901
<b>TOTAL</b>	<b>71</b>	<b>2.731</b>	<b>.207</b>	<b>.038</b>	<b>.059</b>	<b>.071</b>	<b>3.107</b>

**CUMULATIVE AVERAGE COSTS  
(MILLIONS OF CONSTANT FY81 DOLLARS)**

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
54	25	3.088	.210	.044	.052	.092	3.486
55	71	2.731	.207	.038	.059	.071	3.107

F-1B/C/MF-1C

F-1B/C/MF-1C

PHYSICAL AND PERFORMANCE  
CHARACTERISTICS

MANUFACTURER:	NORTH AMERICAN
WING (FIXED/ROTARY):	FIXED
CTOL/VSTOL/STOL/OTHER:	CTOL
AIRFRAME PERFORMANCE:	5.9
AIRCRAFT SYSTEM PERFORMANCE:	5.29
ENGINE NUMBER:	J65-W-2
NUMBER OF ENGINES:	1
SERVICE:	NAVY

F-1B/C/MF-1C

**TOTAL OBLIGATIONAL AUTHORITY  
(MILLIONS OF THEN-YEAR DOLLARS)**

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
--	--	-----	-----	-----	-----	-----	-----
52	200	101.024	9.086	3.639	6.679	.606	121.030
53	344	88.552	27.512	6.290	8.007	3.063	157.503
53	45	11.584	3.599	.823	1.047	.401	17.454
54	69	17.220	4.411	.926	1.027	1.763	25.347
55	80	16.523	5.224	1.058	1.461	1.614	25.880

**MILLIONS OF CONSTANT FY81 DOLLARS**

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
--	--	-----	-----	-----	-----	-----	-----
52	200	346.923	31.202	12.497	22.936	2.081	415.625
53	344	300.584	93.388	21.351	27.179	10.397	534.633
53	45	39.321	12.217	2.794	3.554	1.361	59.246
54	69	56.404	14.448	3.033	3.364	5.775	83.023
55	80	51.975	16.433	3.328	4.596	5.077	81.409
TOTAL	738	795.207	167.687	43.002	61.629	24.691	1173.937

F-1B/C/MF-1C

F-1B/C/MF-1C

FISCAL YEAR LOT AVERAGE COSTS  
(MILLIONS OF CONSTANT FY81 DOLLARS)

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
--	--	-----	-----	-----	-----	-----	-----
52	200	1.735	.156	.062	.115	.010	2.078
53	344	.874	.271	.062	.079	.030	1.554
53	45	.874	.271	.062	.079	.030	1.317
54	69	.817	.209	.044	.049	.084	1.203
55	80	.650	.205	.042	.057	.063	1.018
TOTAL	738	1.078	.227	.058	.084	.033	1.591

CUMULATIVE AVERAGE COSTS  
(MILLIONS OF CONSTANT FY81 DOLLARS)

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
--	--	-----	-----	-----	-----	-----	-----
52	200	1.735	.156	.062	.115	.010	2.078
53	544	1.190	.229	.062	.092	.023	1.747
53	589	1.166	.232	.062	.091	.023	1.714
54	658	1.130	.230	.060	.087	.030	1.660
55	738	1.078	.227	.058	.084	.033	1.591

## F-1B/C/MF-1C

## UNIT COST CURVES

	CALC SLOPE	CALC FIRST COST	UNIT 100	R2
AIRFRAME	.783	7.414	1.454	.937
AIRFRAME & ENGINE	.821	6.240	1.677	.918
TOTAL FLYAWAY	.836	6.368	1.932	.875

## AIRFRAME

FY	PLOT POINT QUANTITY	FISCAL YEAR AVERAGE COST (ACTUAL, \$M)	FISCAL YEAR AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
52	62	1.735	1.726	.009	.52
53	354	.874	.930	-.056	6.41
53	566	.874	.787	.087	9.95
54	623	.817	.761	.056	6.85
55	697	.650	.731	-.081	12.46

## AIRFRAME &amp; ENGINE

FY	PLOT POINT QUANTITY	FISCAL YEAR AVERAGE COST (ACTUAL, \$M)	FISCAL YEAR AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
52	64	1.891	1.901	-.010	.53
53	355	1.145	1.169	-.024	2.10
53	566	1.145	1.022	.123	10.74
54	623	1.027	.995	.032	3.12
55	698	.855	.963	-.108	12.63

## TOTAL FLYAWAY

FY	PLOT POINT QUANTITY	FISCAL YEAR AVERAGE COST (ACTUAL, \$M)	FISCAL YEAR AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
52	65	2.078	2.157	-.079	3.80
53	355	1.554	1.392	.162	10.42
53	566	1.317	1.233	.084	6.38
54	623	1.203	1.203	0.000	0.00
55	698	1.018	1.168	-.150	14.73

F-1B/C/MF-1C

F-1B/C/MF-1C

## CUMULATIVE AVERAGE COST CURVES

	CALC SLOPE	CALC FIRST COST	CAC(100)	R2
AIRFRAME	.777	11.958	2.229	.999
AIRFRAME & ENGINE	.823	8.394	2.297	.999
TOTAL FLYAWAY	.875	5.815	2.388	.982

## AIRFRAME

FY	CUMULATIVE QUANTITY	CUMULATIVE AVERAGE COST (ACTUAL, \$M)	CUMULATIVE AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
--					
52	200	1.735	1.731	.004	.23
53	544	1.190	1.202	-.012	1.01
53	589	1.166	1.168	-.001	.17
54	658	1.130	1.121	.009	.80
55	738	1.078	1.075	.003	.28

## AIRFRAME &amp; ENGINE

FY	CUMULATIVE QUANTITY	CUMULATIVE AVERAGE COST (ACTUAL, \$M)	CUMULATIVE AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
--					
52	200	1.891	1.890	.001	.05
53	544	1.419	1.426	-.006	.49
53	589	1.398	1.395	.003	.21
54	658	1.359	1.352	.007	.52
55	738	1.305	1.309	-.003	.31

## TOTAL FLYAWAY

FY	CUMULATIVE QUANTITY	CUMULATIVE AVERAGE COST (ACTUAL, \$M)	CUMULATIVE AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
--					
52	200	2.078	2.089	-.011	.53
53	544	1.747	1.722	.025	1.43
53	589	1.714	1.696	.018	1.05
54	658	1.660	1.660	0.000	0.00
55	738	1.591	1.623	-.032	2.01

F/AF-1E(FJ-4/4B)

F/AF-1E(FJ-4/4B)

PHYSICAL AND PERFORMANCE  
CHARACTERISTICS

MANUFACTURER:	NORTH AMERICAN
WING (FIXED/ROTARY):	FIXED
CTOL/VSTOL/STOL/OTHER:	CTOL
AIRFRAME PERFORMANCE:	6.05
AIRCRAFT SYSTEM PERFORMANCE:	5.44
ENGINE NUMBER:	J65-W-16A
NUMBER OF ENGINES:	1
SERVICE:	NAVY

F/AF-1E(FJ-4/4B)

**TOTAL OBLIGATIONAL AUTHORITY  
(MILLIONS OF THEN-YEAR DOLLARS)**

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
54	177	122.179	11.362	2.368	2.909	3.841	142.659
55	46	37.096	3.008	.521	.923	.876	42.424

**MILLIONS OF CONSTANT FY81 DOLLARS**

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
54	177	400.193	37.216	7.756	9.528	12.581	467.275
55	46	116.691	9.462	1.639	2.903	2.756	133.451
<b>TOTAL</b>	<b>223</b>	<b>516.884</b>	<b>46.678</b>	<b>9.395</b>	<b>12.432</b>	<b>15.337</b>	<b>600.726</b>

**FISCAL YEAR LOT AVERAGE COSTS  
(MILLIONS OF CONSTANT FY81 DOLLARS)**

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
54	177	2.261	.210	.044	.054	.071	2.640
55	46	2.537	.206	.036	.063	.060	2.901
<b>TOTAL</b>	<b>223</b>	<b>2.318</b>	<b>.209</b>	<b>.042</b>	<b>.056</b>	<b>.069</b>	<b>2.694</b>

**CUMULATIVE AVERAGE COSTS  
(MILLIONS OF CONSTANT FY81 DOLLARS)**

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
54	177	2.261	.210	.044	.054	.071	2.640
55	223	2.318	.209	.042	.056	.069	2.694

F-2C

F-2C

PHYSICAL AND PERFORMANCE  
CHARACTERISTICS

MANUFACTURER:	MCDONNELL
WING (FIXED/ROTARY):	FIXED
CTOL/VSTOL/STOL/OTHER:	CTOL
AIRFRAME PERFORMANCE:	6.13
AIRCRAFT SYSTEM PERFORMANCE:	3.91
ENGINE NUMBER:	J34-WE-34
NUMBER OF ENGINES:	2
SERVICE:	NAVY

## F-2C

TOTAL OBLIGATIONAL AUTHORITY  
(MILLIONS OF THEN-YEAR DOLLARS)

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
51	250	82.590	19.157	17.533	.593	4.725	124.599

## MILLIONS OF CONSTANT FY81 DOLLARS

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
51	250	283.522	65.764	60.189	2.036	16.220	427.734
<b>TOTAL</b>	<b>250</b>	<b>283.522</b>	<b>65.764</b>	<b>60.189</b>	<b>2.036</b>	<b>16.220</b>	<b>427.734</b>

FISCAL YEAR LOT AVERAGE COSTS  
(MILLIONS OF CONSTANT FY81 DOLLARS)

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
51	250	1.134	.263	.241	.008	.065	1.711
<b>TOTAL</b>	<b>250</b>	<b>1.134</b>	<b>.263</b>	<b>.241</b>	<b>.008</b>	<b>.065</b>	<b>1.711</b>

CUMULATIVE AVERAGE COSTS  
(MILLIONS OF CONSTANT FY81 DOLLARS)

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
51	250	1.134	.263	.241	.008	.065	1.711

F-2D

F-2D

PHYSICAL AND PERFORMANCE  
CHARACTERISTICS

MANUFACTURER:	MCDONNELL
WING (FIXED/ROTARY):	FIXED
CTOL/VSTOL/STOL/OTHER:	CTOL
AIRFRAME PERFORMANCE:	6.13
AIRCRAFT SYSTEM PERFORMANCE:	3.91
ENGINE NUMBER:	J34-WE-34
NUMBER OF ENGINES:	2
SERVICE:	NAVY

## F-2D

**TOTAL OBLIGATIONAL AUTHORITY  
(MILLIONS OF THEN-YEAR DOLLARS)**

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
51	150	49.554	11.356	8.103	.354	2.835	72.202

**MILLIONS OF CONSTANT FY81 DOLLARS**

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
51	150	170.113	38.984	27.817	1.215	9.732	247.861
<b>TOTAL</b>	<b>150</b>	<b>170.113</b>	<b>38.984</b>	<b>27.817</b>	<b>1.215</b>	<b>9.732</b>	<b>247.861</b>

**FISCAL YEAR LOT AVERAGE COSTS  
(MILLIONS OF CONSTANT FY81 DOLLARS)**

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
51	150	1.134	.260	.185	.008	.065	1.652
<b>TOTAL</b>	<b>150</b>	<b>1.134</b>	<b>.260</b>	<b>.185</b>	<b>.008</b>	<b>.065</b>	<b>1.652</b>

**CUMULATIVE AVERAGE COSTS  
(MILLIONS OF CONSTANT FY81 DOLLARS)**

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
51	150	1.134	.260	.185	.008	.065	1.652

F-3A

F-3A

**PHYSICAL AND PERFORMANCE  
CHARACTERISTICS**

MANUFACTURER:	MCDONNELL
WING (FIXED/ROTARY):	FIXED
CTOL/VSTOL/STOL/OTHER:	CTOL
AIRFRAME PERFORMANCE:	7.3
AIRCRAFT SYSTEM PERFORMANCE:	9.02
ENGINE NUMBER:	J40-WE-22
NUMBER OF ENGINES:	1
SERVICE:	NAVY

F-3A

**TOTAL OBLIGATIONAL AUTHORITY  
(MILLIONS OF THEN-YEAR DOLLARS)**

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
52	56	63.602	14.690	2.553	2.448	3.609	86.902

**MILLIONS OF CONSTANT FY81 DOLLARS**

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
52	56	218.413	50.446	8.767	8.407	12.394	298.427
<b>TOTAL</b>	<b>56</b>	<b>218.413</b>	<b>50.446</b>	<b>8.767</b>	<b>8.407</b>	<b>12.394</b>	<b>298.427</b>

**FISCAL YEAR LOT AVERAGE COSTS  
(MILLIONS OF CONSTANT FY81 DOLLARS)**

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
52	56	3.900	.901	.157	.150	.221	5.329
<b>TOTAL</b>	<b>56</b>	<b>3.900</b>	<b>.901</b>	<b>.157</b>	<b>.150</b>	<b>.221</b>	<b>5.329</b>

**CUMULATIVE AVERAGE COSTS  
(MILLIONS OF CONSTANT FY81 DOLLARS)**

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
52	56	3.900	.901	.157	.150	.221	5.329

F-3B

F-3B

PHYSICAL AND PERFORMANCE  
CHARACTERISTICS

MANUFACTURER:	MCDONNELL
WING (FIXED/ROTARY):	FIXED
CTOL/VSTOL/STOL/OTHER:	CTOL
AIRFRAME PERFORMANCE:	7.3
AIRCRAFT SYSTEM PERFORMANCE:	9.02
ENGINE NUMBER:	J71-A-2
NUMBER OF ENGINES:	1
SERVICE:	NAVY

**TOTAL OBLIGATIONAL AUTHORITY  
(MILLIONS OF THEN-YEAR DOLLARS)**

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
56	90	54.453	15.999	10.784	2.762	1.784	85.732
57	117	62.503	20.978	11.009	2.568	2.388	99.446
58	32	17.178	6.093	2.856	.973	.431	27.531

**MILLIONS OF CONSTANT FY81 DOLLARS**

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
56	90	164.461	48.321	32.570	8.342	5.388	259.082
57	117	187.359	62.884	33.001	7.698	7.158	298.100
58	32	52.181	18.509	8.676	2.956	1.309	83.630
<b>TOTAL</b>	<b>239</b>	<b>404.001</b>	<b>129.713</b>	<b>74.246</b>	<b>18.995</b>	<b>13.856</b>	<b>640.811</b>

**FISCAL YEAR LOT AVERAGE COSTS  
(MILLIONS OF CONSTANT FY81 DOLLARS)**

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
56	90	1.827	.537	.362	.093	.060	2.879
57	117	1.601	.537	.282	.066	.061	2.548
58	32	1.631	.578	.271	.092	.041	2.613
<b>TOTAL</b>	<b>239</b>	<b>1.690</b>	<b>.543</b>	<b>.311</b>	<b>.079</b>	<b>.058</b>	<b>2.681</b>

**CUMULATIVE AVERAGE COSTS  
(MILLIONS OF CONSTANT FY81 DOLLARS)**

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
56	90	1.827	.537	.362	.093	.060	2.879
57	207	1.700	.537	.317	.077	.061	2.692
58	239	1.690	.543	.311	.079	.058	2.681

F-3B

F-3B

## UNIT COST CURVES

	CALC SLOPE	CALC FIRST COST	UNIT 100	R2
AIRFRAME	.954	2.301	1.686	.885
AIRFRAME & ENGINE	.970	2.743	2.238	.735
TOTAL FLYAWAY	.960	3.520	2.680	.835

## AIRFRAME

FY	PLOT POINT QUANTITY	FISCAL YEAR AVERAGE COST (ACTUAL, \$M)	FISCAL YEAR AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
56	33	1.827	1.816	.011	.60
57	145	1.601	1.645	-.044	2.75
58	223	1.631	1.597	.034	2.08

## AIRFRAME &amp; ENGINE

FY	PLOT POINT QUANTITY	FISCAL YEAR AVERAGE COST (ACTUAL, \$M)	FISCAL YEAR AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
56	34	2.364	2.349	.015	.63
57	145	2.139	2.202	-.063	2.95
58	223	2.209	2.160	.049	2.22

## TOTAL FLYAWAY

FY	PLOT POINT QUANTITY	FISCAL YEAR AVERAGE COST (ACTUAL, \$M)	FISCAL YEAR AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
56	33	2.879	2.860	.019	.66
57	145	2.548	2.622	-.074	2.90
58	223	2.613	2.556	.057	2.18

## CUMULATIVE AVERAGE COST CURVES

	CALC SLOPE	CALC FIRST COST	CAC(100)	R2
AIRFRAME	.945	2.645	1.811	.995
AIRFRAME & ENGINE	.958	3.112	2.348	.988
TOTAL FLYAWAY	.949	4.041	2.854	.992

## AIRFRAME

FY	CUMULATIVE QUANTITY	CUMULATIVE AVERAGE COST (ACTUAL, \$M)	CUMULATIVE AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
56	90	1.827	1.826	.001	.05
57	207	1.700	1.705	-.004	.29
58	239	1.690	1.685	.005	.30

## AIRFRAME &amp; ENGINE

FY	CUMULATIVE QUANTITY	CUMULATIVE AVERAGE COST (ACTUAL, \$M)	CUMULATIVE AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
56	90	2.364	2.363	.001	.04
57	207	2.237	2.245	-.007	.36
58	239	2.233	2.226	.007	.31

## TOTAL FLYAWAY

FY	CUMULATIVE QUANTITY	CUMULATIVE AVERAGE COST (ACTUAL, \$M)	CUMULATIVE AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
56	90	2.879	2.877	.002	.07
57	207	2.692	2.702	-.009	.37
58	239	2.681	2.673	.008	.30

F-3C

F-3C

**PHYSICAL AND PERFORMANCE  
CHARACTERISTICS**

MANUFACTURER:	MCDONNELL
WING (FIXED/ROTARY):	FIXED
CTOL/VSTOL/STOL/OTHER:	CTOL
AIRFRAME PERFORMANCE:	7.3
AIRCRAFT SYSTEM PERFORMANCE:	9.02
ENGINE NUMBER:	J71-A-2
NUMBER OF ENGINES:	1
SERVICE:	NAVY

F-3C

**TOTAL OBLIGATIONAL AUTHORITY  
(MILLIONS OF THEN-YEAR DOLLARS)**

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
52	48	31.738	8.228	2.668	1.721	2.018	46.372
53	76	79.856	13.705	4.459	2.131	3.211	103.362

**MILLIONS OF CONSTANT FY81 DOLLARS**

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
52	48	108.990	28.255	9.162	5.910	6.930	159.245
53	76	271.066	46.521	15.136	7.234	10.900	350.855
<b>TOTAL</b>	<b>124</b>	<b>380.056</b>	<b>74.776</b>	<b>24.298</b>	<b>13.144</b>	<b>17.829</b>	<b>510.100</b>

**FISCAL YEAR LOT AVERAGE COSTS  
(MILLIONS OF CONSTANT FY81 DOLLARS)**

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
52	48	2.271	.589	.191	.123	.144	3.318
53	76	3.567	.612	.199	.095	.143	4.617
<b>TOTAL</b>	<b>124</b>	<b>3.065</b>	<b>.603</b>	<b>.196</b>	<b>.106</b>	<b>.144</b>	<b>4.114</b>

**CUMULATIVE AVERAGE COSTS  
(MILLIONS OF CONSTANT FY81 DOLLARS)**

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
52	48	2.271	.589	.191	.123	.144	3.318
53	124	3.065	.603	.196	.106	.144	4.114

F-3A/B/C

F-3A/B/C

**PHYSICAL AND PERFORMANCE  
CHARACTERISTICS**

MANUFACTURER:	MCDONNELL
WING (FIXED/ROTARY):	FIXED
CTOL/VSTOL/STOL/OTHER:	CTOL
AIRFRAME PERFORMANCE:	7.3
AIRCRAFT SYSTEM PERFORMANCE:	9.02
ENGINE NUMBER:	J71-A-2
NUMBER OF ENGINES:	1
SERVICE:	NAVY

F-3A/B/C

**TOTAL OBLIGATIONAL AUTHORITY  
(MILLIONS OF THEN-YEAR DOLLARS)**

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
52	56	63.602	14.690	2.553	2.448	3.609	86.902
52	48	31.738	8.228	2.668	1.721	2.018	46.372
53	76	79.856	13.705	4.459	2.131	3.211	103.362
56	90	54.453	15.999	10.784	2.762	1.784	85.782
57	117	62.503	20.978	11.009	2.568	2.388	99.446
58	32	17.178	6.093	2.856	.973	.431	27.531

**MILLIONS OF CONSTANT FY81 DOLLARS**

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
52	56	218.413	50.446	8.767	8.407	12.394	298.427
52	48	108.990	28.255	9.162	5.910	6.930	159.245
53	76	271.066	46.521	15.136	7.234	10.900	350.855
56	90	164.461	48.321	32.570	8.342	5.388	259.082
57	117	187.359	62.884	33.001	7.698	7.158	298.100
58	32	52.181	18.509	8.676	2.956	1.309	83.630
<b>TOTAL</b>	<b>419</b>	<b>1002.471</b>	<b>254.936</b>	<b>107.311</b>	<b>40.546</b>	<b>44.079</b>	<b>1449.338</b>

F-3A/B/C

F-3A/B/C

FISCAL YEAR LOT AVERAGE COSTS  
(MILLIONS OF CONSTANT FY81 DOLLARS)

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
--	--	-----	-----	-----	-----	-----	-----
52	56	3,900	.901	.157	.150	.221	5,329
52	48	2,271	.589	.191	.123	.144	3,318
53	76	3,567	.612	.199	.095	.143	4,617
56	90	1,827	.537	.362	.093	.060	2,879
57	117	1,601	.537	.282	.066	.061	2,548
58	32	1,631	.578	.271	.092	.041	2,613
TOTAL	419	2,393	.608	.256	.097	.105	3,459

CUMULATIVE AVERAGE COSTS  
(MILLIONS OF CONSTANT FY81 DOLLARS)

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
--	--	-----	-----	-----	-----	-----	-----
52	56	3,900	.901	.157	.150	.221	5,329
52	104	3,148	.757	.172	.138	.186	4,401
53	180	3,325	.696	.184	.120	.168	4,492
56	270	2,826	.643	.243	.111	.132	3,954
57	387	2,456	.611	.255	.097	.111	3,529
58	419	2,393	.608	.256	.097	.105	3,459

## F-3A/B/C

## UNIT COST CURVES

	CALC SLOPE	CALC FIRST COST	UNIT 100	R2
AIRFRAME	.820	9.444	2.518	.676
AIRFRAME & ENGINE	.836	10.466	3.179	.707
TOTAL FLYAWAY	.850	10.827	3.664	.726

## AIRFRAME

FY	PLOT POINT QUANTITY	FISCAL YEAR AVERAGE COST (ACTUAL, \$M)	FISCAL YEAR AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
52	19	3.900	4.049	-.149	3.82
52	79	2.271	2.695	-.424	18.67
53	140	3.567	2.285	1.282	35.94
56	224	1.827	1.999	-.172	9.41
57	327	1.601	1.792	-.191	11.93
58	403	1.631	1.687	-.056	3.43

## AIRFRAME &amp; ENGINE

FY	PLOT POINT QUANTITY	FISCAL YEAR AVERAGE COST (ACTUAL, \$M)	FISCAL YEAR AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
52	19	4.801	4.861	-.060	1.25
52	79	2.859	3.379	-.520	18.19
53	140	4.179	2.912	1.267	30.32
56	224	2.364	2.582	-.218	9.22
57	327	2.139	2.340	-.201	9.40
58	403	2.209	2.216	-.006	.32

## TOTAL FLYAWAY

FY	PLOT POINT QUANTITY	FISCAL YEAR AVERAGE COST (ACTUAL, \$M)	FISCAL YEAR AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
52	20	5.329	5.377	-.048	.90
52	79	3.318	3.873	-.555	16.73
53	140	4.617	3.383	1.234	26.73
56	224	2.879	3.032	-.153	5.31
57	327	2.548	2.773	-.225	8.83
58	403	2.613	2.639	-.026	1.00

F-3A/B/C

F-3A/B/C

## CUMULATIVE AVERAGE COST CURVES

	CALC SLOPE	CALC FIRST COST	CAC(100)	R2
AIRFRAME	.856	9.600	3.419	.890
AIRFRAME & ENGINE	.860	11.454	4.205	.920
TOTAL FLYAWAY	.871	11.809	4.710	.926

## AIRFRAME

FY	CUMULATIVE QUANTITY	CUMULATIVE AVERAGE COST (ACTUAL, \$M)	CUMULATIVE AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
52	56	3.900	3.894	.006	.15
52	104	3.148	3.389	-.241	7.66
53	180	3.325	2.997	.328	9.86
56	270	2.826	2.737	.089	3.15
57	387	2.456	2.525	-.069	2.81
58	419	2.393	2.480	-.087	3.64

## AIRFRAME &amp; ENGINE

FY	CUMULATIVE QUANTITY	CUMULATIVE AVERAGE COST (ACTUAL, \$M)	CUMULATIVE AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
52	56	4.801	4.771	.030	.62
52	104	3.905	4.170	-.265	6.79
53	180	4.021	3.701	.320	7.96
56	270	3.468	3.388	.080	2.31
57	387	3.066	3.133	-.067	2.19
58	419	3.001	3.079	-.078	2.60

## TOTAL FLYAWAY

FY	CUMULATIVE QUANTITY	CUMULATIVE AVERAGE COST (ACTUAL, \$M)	CUMULATIVE AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
52	56	5.329	5.288	.041	.77
52	104	4.401	4.673	-.272	6.18
53	180	4.492	4.188	.304	6.77
56	270	3.954	3.863	.091	2.30
57	387	3.529	3.595	-.066	1.87
58	419	3.459	3.538	-.079	2.28

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PHYSICAL AND PERFORMANCE  
CHARACTERISTICS

MANUFACTURER:	MCDONNELL DOUGLAS
WING (FIXED/ROTARY):	FIXED
CTOL/VSTOL/STOL/OTHER:	CTOL
AIRFRAME PERFORMANCE:	10.31
AIRCRAFT SYSTEM PERFORMANCE:	9.32
ENGINE NUMBER:	J79-GE-2
NUMBER OF ENGINES:	2
SERVICE:	NAVY

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**TOTAL OBLIGATIONAL AUTHORITY  
(MILLIONS OF THEN-YEAR DOLLARS)**

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
55	2	66.063	.821	.002	.001	.371	67.258*
56	5	60.720	5.685	.734	.674	.020	67.833*
57	11	63.470	10.439	3.477	.519	.054	77.929*
58	5	25.179	4.219	2.831	.718	.037	32.984*
59	24	71.520	15.634	4.386	1.730	.190	93.460

**MILLIONS OF CONSTANT FY81 DOLLARS**

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
55	2	207.811	2.583	.006	.003	1.167	211.570*
56	5	183.389	17.170	2.217	2.036	.060	204.872*
57	11	190.258	31.292	10.423	1.556	.162	233.600*
58	5	76.485	12.816	8.600	2.181	.112	100.194*
59	24	218.783	47.825	13.417	5.292	.581	285.898
<b>TOTAL</b>	<b>47</b>	<b>876.725</b>	<b>111.686</b>	<b>34.662</b>	<b>11.068</b>	<b>2.083</b>	<b>1036.134</b>

\*\*\* = R&D LOT DATA

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FISCAL YEAR LOT AVERAGE COSTS  
(MILLIONS OF CONSTANT FY81 DOLLARS)

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
--	--	-----	-----	-----	-----	-----	-----
55	2	103.905	1.291	.003	.002	.584	105.785*
56	5	36.678	3.434	.443	.407	.012	40.974*
57	11	17.296	2.845	.948	.141	.015	21.236*
58	5	15.297	2.563	1.720	.436	.022	20.039*
59	24	9.116	1.993	.559	.221	.024	11.912
TOTAL	47	18.654	2.376	.737	.235	.044	22.045

CUMULATIVE AVERAGE COSTS  
(MILLIONS OF CONSTANT FY81 DOLLARS)

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
--	--	-----	-----	-----	-----	-----	-----
59	24	9.116	1.993	.559	.221	.024	11.912

\* = R&D LOT DATA

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## UNIT COST CURVES

	CALC SLOPE	CALC FIRST COST	UNIT 100	R2
AIRFRAME	0.000	0.000	0.000	0.000
AIRFRAME & ENGINE	0.000	0.000	0.000	0.000
TOTAL FLYAWAY	0.000	0.000	0.000	0.000

## AIRFRAME

FY	PLOT POINT QUANTITY	FISCAL YEAR AVERAGE COST (ACTUAL, \$M)	FISCAL YEAR AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
--	-----	-----	-----	-----	-----
59	10	9.116	1.792	7.324	80.34

## AIRFRAME &amp; ENGINE

FY	PLOT POINT QUANTITY	FISCAL YEAR AVERAGE COST (ACTUAL, \$M)	FISCAL YEAR AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
--	-----	-----	-----	-----	-----
59	10	11.109	2.340	8.769	78.94

## TOTAL FLYAWAY

FY	PLOT POINT QUANTITY	FISCAL YEAR AVERAGE COST (ACTUAL, \$M)	FISCAL YEAR AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
--	-----	-----	-----	-----	-----
59	10	11.912	2.773	9.139	76.72

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## CUMULATIVE AVERAGE COST CURVES

	CALC SLOPE	CALC FIRST COST	CAC(100)	R2
AIRFRAME	0.000	0.000	0.000	0.000
AIRFRAME & ENGINE	0.000	0.000	0.000	0.000
TOTAL FLYAWAY	0.000	0.000	0.000	0.000

## AIRFRAME

FY	CUMULATIVE QUANTITY	CUMULATIVE AVERAGE COST (ACTUAL, \$M)	CUMULATIVE AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
59	24	9.116	0.000	9.116	100.00

## AIRFRAME &amp; ENGINE

FY	CUMULATIVE QUANTITY	CUMULATIVE AVERAGE COST (ACTUAL, \$M)	CUMULATIVE AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
59	24	11.109	0.000	11.109	100.00

## TOTAL FLYAWAY

FY	CUMULATIVE QUANTITY	CUMULATIVE AVERAGE COST (ACTUAL, \$M)	CUMULATIVE AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
59	24	11.912	0.000	11.912	100.00

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PHYSICAL AND PERFORMANCE  
CHARACTERISTICS

MANUFACTURER:	MCDONNELL DOUGLAS
WING (FIXED/ROTARY):	FIXED
CTOL/VSTOL/STOL/OTHER:	CTOL
AIRFRAME PERFORMANCE:	10.31
AIRCRAFT SYSTEM PERFORMANCE:	9.32
ENGINE NUMBER:	J79-GE-2
NUMBER OF ENGINES:	2
SERVICE:	NAVY

## F-4B

**TOTAL OBLIGATIONAL AUTHORITY  
(MILLIONS OF THEN-YEAR DOLLARS)**

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
60	72	169.997	35.640	14.818	3.982	1.070	225.507
61	72	138.029	30.240	14.704	3.276	.599	186.848
62	118	185.979	44.544	23.121	5.715	2.112	261.471
63	123	154.783	44.581	17.125	5.782	3.499	225.770
64	125	148.796	46.186	17.585	3.547	3.741	219.855
65	106	116.830	38.053	16.215	4.157	4.796	180.051
66	4	5.174	.229	.828	.604	.370	7.205

**MILLIONS OF CONSTANT FY81 DOLLARS**

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
60	72	517.652	108.526	45.122	12.125	3.258	686.684
61	72	420.948	92.223	44.843	9.991	1.827	569.832
62	118	570.138	136.554	70.880	17.520	6.475	801.567
63	123	468.188	134.849	51.800	17.489	10.584	682.910
64	125	434.949	135.007	51.403	10.368	10.935	642.663
65	106	322.290	104.974	44.731	11.468	13.230	496.692
66	4	13.474	.596	2.156	1.573	.964	18.763
<b>TOTAL</b>	<b>620</b>	<b>2747.639</b>	<b>712.730</b>	<b>310.935</b>	<b>80.534</b>	<b>47.273</b>	<b>3899.111</b>

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FISCAL YEAR LOT AVERAGE COSTS  
(MILLIONS OF CONSTANT FY81 DOLLARS)

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
60	72	7.190	1.507	.627	.168	.045	9.537
61	72	5.847	1.281	.623	.139	.025	7.914
62	118	4.832	1.157	.601	.148	.055	6.793
63	123	3.806	1.096	.421	.142	.086	5.552
64	125	3.480	1.080	.411	.083	.087	5.141
65	106	3.040	.990	.422	.108	.125	4.686
66	4	3.368	.149	.539	.393	.241	4.691
TOTAL	620	4.432	1.150	.502	.130	.076	6.289

CUMULATIVE AVERAGE COSTS  
(MILLIONS OF CONSTANT FY81 DOLLARS)

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
60	72	7.190	1.507	.627	.168	.045	9.537
61	144	6.518	1.394	.625	.154	.035	8.726
62	262	5.759	1.287	.614	.151	.044	7.855
63	385	5.135	1.226	.552	.148	.058	7.119
64	510	4.729	1.191	.518	.132	.065	6.635
65	616	4.439	1.156	.501	.128	.075	6.299
66	620	4.432	1.150	.502	.130	.076	6.289

## UNIT COST CURVES

	CALC SLOPE	CALC FIRST COST	UNIT 100	R2
AIRFRAME	.830	18.356	5.330	--
AIRFRAME & ENGINE	.831	22.502	6.555	.939
TOTAL FLYAWAY	.850	21.726	7.376	.922 .953

## AIRFRAME

FY	PLOT POINT QUANTITY	FISCAL YEAR AVERAGE COST (ACTUAL, \$M)	FISCAL YEAR AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
60	24	7.190	7.784	-.594	8.26
61	106	5.847	5.249	.598	10.23
62	200	4.832	4.426	.406	8.40
63	322	3.806	3.895	-.089	2.34
64	446	3.480	3.567	-.087	2.50
65	562	3.040	3.352	-.312	10.26
66	618	3.368	3.268	.100	2.97

## AIRFRAME &amp; ENGINE

FY	PLOT POINT QUANTITY	FISCAL YEAR AVERAGE COST (ACTUAL, \$M)	FISCAL YEAR AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
60	24	8.697	9.562	-.865	9.95
61	106	7.127	6.455	.672	9.43
62	200	5.989	5.446	.543	9.07
63	322	4.903	4.795	.108	2.20
64	446	4.560	4.392	.168	3.68
65	562	4.031	4.128	-.097	2.41
66	618	3.518	4.024	-.506	14.38

## TOTAL FLYAWAY

FY	PLOT POINT QUANTITY	FISCAL YEAR AVERAGE COST (ACTUAL, \$M)	FISCAL YEAR AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
60	25	9.537	10.226	-.689	7.22
61	106	7.914	7.276	.638	8.06
62	200	6.793	6.270	.523	7.70
63	322	5.552	5.608	-.056	1.01
64	446	5.141	5.193	-.052	1.01
65	562	4.686	4.919	-.233	4.97
66	618	4.691	4.810	-.119	2.54

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## CUMULATIVE AVERAGE COST CURVES

	CALC SLOPE	CALC FIRST COST	CAC(100)	R2
AIRFRAME	.852	20.109	6.913	.978
AIRFRAME & ENGINE	.864	22.166	8.363	.982
TOTAL FLYAWAY	.871	23.010	9.199	.981

## AIRFRAME

FY	CUMULATIVE QUANTITY	CUMULATIVE AVERAGE COST (ACTUAL, \$M)	CUMULATIVE AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
60	72	7.190	7.460	-.270	3.76
61	144	6.518	6.352	.166	2.55
62	262	5.759	5.529	.230	3.99
63	385	5.135	5.057	.078	1.52
64	510	4.729	4.738	-.008	.19
65	616	4.439	4.535	-.096	2.16
66	620	4.432	4.528	-.096	2.17

## AIRFRAME &amp; ENGINE

FY	CUMULATIVE QUANTITY	CUMULATIVE AVERAGE COST (ACTUAL, \$M)	CUMULATIVE AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
60	72	8.697	8.965	-.268	3.08
61	144	7.912	7.741	.171	2.16
62	262	7.046	6.820	.226	3.21
63	385	6.361	6.287	.074	1.16
64	510	5.920	5.923	-.002	.05
65	616	5.595	5.691	-.096	1.72
66	620	5.581	5.683	-.102	1.83

## TOTAL FLYAWAY

FY	CUMULATIVE QUANTITY	CUMULATIVE AVERAGE COST (ACTUAL, \$M)	CUMULATIVE AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
60	72	9.537	9.821	-.284	2.98
61	144	8.726	8.555	.171	1.96
62	262	7.855	7.594	.261	3.32
63	385	7.119	7.034	.085	1.19
64	510	6.635	6.651	-.016	.24
65	616	6.299	6.406	-.107	1.70
66	620	6.289	6.397	-.108	1.72

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PHYSICAL AND PERFORMANCE  
CHARACTERISTICS

MANUFACTURER:	MCDONNELL DOUGLAS
WING (FIXED/ROTARY):	FIXED
CTOL/VSTOL/STOL/OTHER:	CTOL
AIRFRAME PERFORMANCE:	10.00
AIRCRAFT SYSTEM PERFORMANCE:	10.07
ENGINE NUMBER:	J79-GE-15
NUMBER OF ENGINES:	2
SERVICE:	AIR FORCE

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**TOTAL OBLIGATIONAL AUTHORITY  
(MILLIONS OF THEN-YEAR DOLLARS)**

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
62	30	0.000	0.000	0.000	0.000	0.000	57.200
63	307	0.000	0.000	0.000	0.000	0.000	582.600
64	275	0.000	0.000	0.000	0.000	0.000	522.000

**MILLIONS OF CONSTANT FY81 DOLLARS**

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
62	30	0.000	0.000	0.000	0.000	0.000	174.710
63	307	0.000	0.000	0.000	0.000	0.000	1749.550
64	275	0.000	0.000	0.000	0.000	0.000	1503.456
<b>TOTAL</b>	<b>612</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>3427.716</b>

**FISCAL YEAR LOT AVERAGE COSTS  
(MILLIONS OF CONSTANT FY81 DOLLARS)**

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
62	30	0.000	0.000	0.000	0.000	0.000	5.824
63	307	0.000	0.000	0.000	0.000	0.000	5.699
64	275	0.000	0.000	0.000	0.000	0.000	5.467
<b>TOTAL</b>	<b>612</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>5.601</b>

**CUMULATIVE AVERAGE COSTS  
(MILLIONS OF CONSTANT FY81 DOLLARS)**

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
62	30	0.000	0.000	0.000	0.000	0.000	5.824
63	337	0.000	0.000	0.000	0.000	0.000	5.710
64	612	0.000	0.000	0.000	0.000	0.000	5.601

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F-4C

## UNIT COST CURVES

	CALC SLOPE	CALC FIRST COST	UNIT 100	R2
AIRFRAME	---	---	---	--
AIRFRAME & ENGINE	---	---	---	--
TOTAL FLYAWAY	.989	6.080	5.658	.842

## AIRFRAME

FY	PLOT POINT QUANTITY	FISCAL YEAR AVERAGE COST (ACTUAL, \$M)	FISCAL YEAR AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
--	-----	-----	-----	-----	-----
NOT CALCULATED					

## AIRFRAME &amp; ENGINE

FY	PLOT POINT QUANTITY	FISCAL YEAR AVERAGE COST (ACTUAL, \$M)	FISCAL YEAR AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
--	-----	-----	-----	-----	-----
NOT CALCULATED					

## TOTAL FLYAWAY

FY	PLOT POINT QUANTITY	FISCAL YEAR AVERAGE COST (ACTUAL, \$M)	FISCAL YEAR AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
--	-----	-----	-----	-----	-----
62	12	5.824	5.849	-.025	.43
63	157	5.699	5.618	.081	1.42
64	468	5.467	5.522	-.055	1.01

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## CUMULATIVE AVERAGE COST CURVES

	CALC SLOPE	CALC FIRST COST	CAC(100)	R2
AIRFRAME	---	---	---	--
AIRFRAME & ENGINE	---	---	---	--
TOTAL FLYAWAY	.992	6.065	5.751	.895

## AIRFRAME

FY	CUMULATIVE QUANTITY	CUMULATIVE AVERAGE COST (ACTUAL, \$M)	CUMULATIVE AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
---	-----	-----	-----	-----	-----
NOT CALCULATED					

## AIRFRAME &amp; ENGINE

FY	CUMULATIVE QUANTITY	CUMULATIVE AVERAGE COST (ACTUAL, \$M)	CUMULATIVE AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
---	-----	-----	-----	-----	-----
NOT CALCULATED					

## TOTAL FLYAWAY

FY	CUMULATIVE QUANTITY	CUMULATIVE AVERAGE COST (ACTUAL, \$M)	CUMULATIVE AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
---	-----	-----	-----	-----	-----
62	30	5.824	5.832	-.007	.14
63	337	5.710	5.671	.039	.68
64	612	5.601	5.632	-.031	.55

F-4D

F-4D

PHYSICAL AND PERFORMANCE  
CHARACTERISTICS

MANUFACTURER:	MCDONNELL DOUGLAS
WING (FIXED/ROTARY):	FIXED
CTOL/VSTOL/STOL/OTHER:	CTOL
AIRFRAME PERFORMANCE:	10.00
AIRCRAFT SYSTEM PERFORMANCE:	10.07
ENGINE NUMBER:	J79-GE-15
NUMBER OF ENGINES:	2
SERVICE:	AIR FORCE

## F-4D

TOTAL OBLIGATIONAL AUTHORITY  
(MILLIONS OF THEN-YEAR DOLLARS)

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
64	52	76.652	16.611	10.735	0.000	.051	104.049
65	222	254.463	58.815	46.012	1.870	36.594	397.754
66	519	476.700	131.200	151.100	3.535	69.165	831.700

## MILLIONS OF CONSTANT FY81 DOLLARS

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
64	52	220.772	47.843	30.919	0.000	.147	299.680
65	222	691.288	159.780	124.999	5.080	99.413	1080.560
66	519	1226.396	337.535	388.732	9.094	177.939	2139.696
<b>TOTAL</b>	<b>793</b>	<b>2138.455</b>	<b>545.158</b>	<b>544.649</b>	<b>14.175</b>	<b>277.499</b>	<b>3519.936</b>

FISCAL YEAR LOT AVERAGE COSTS  
(MILLIONS OF CONSTANT FY81 DOLLARS)

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
64	52	4.246	.920	.595	0.000	.003	5.763
65	222	3.114	.720	.563	.023	.448	4.867
66	519	2.363	.650	.749	.018	.343	4.123
<b>TOTAL</b>	<b>793</b>	<b>2.697</b>	<b>.687</b>	<b>.687</b>	<b>.018</b>	<b>.350</b>	<b>4.439</b>

CUMULATIVE AVERAGE COSTS  
(MILLIONS OF CONSTANT FY81 DOLLARS)

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
64	52	4.246	.920	.595	0.000	.003	5.763
65	274	3.329	.758	.569	.019	.363	5.037
66	793	2.697	.687	.687	.018	.350	4.439

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## UNIT COST CURVES

	CALC SLOPE	CALC FIRST COST	UNIT 100	R2
AIRFRAME	.886	7.192	3.212	--
AIRFRAME & ENGINE	.894	8.392	3.981	.988
TOTAL FLYAWAY	.933	7.843	4.935	.994
				.982

## AIRFRAME

FY	PLOT POINT QUANTITY	FISCAL YEAR AVERAGE COST (ACTUAL, \$M)	FISCAL YEAR AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
64	19	4.246	4.304	-.058	1.37
65	147	3.114	3.004	.110	3.53
66	508	2.363	2.417	-.054	2.29

## AIRFRAME &amp; ENGINE

FY	PLOT POINT QUANTITY	FISCAL YEAR AVERAGE COST (ACTUAL, \$M)	FISCAL YEAR AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
64	19	5.166	5.214	-.048	.93
65	147	3.834	3.741	.093	2.43
66	508	3.013	3.060	-.047	1.56

## TOTAL FLYAWAY

FY	PLOT POINT QUANTITY	FISCAL YEAR AVERAGE COST (ACTUAL, \$M)	FISCAL YEAR AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
64	19	5.763	5.819	-.056	.97
65	148	4.867	4.744	.123	2.53
66	509	4.123	4.189	-.066	1.60

## CUMULATIVE AVERAGE COST CURVES

	CALC SLOPE	CALC FIRST COST	CAC(100)	R2
AIRFRAME	.892	8.213	3.845	.993
AIRFRAME & ENGINE	.899	9.550	4.699	.996
TOTAL FLYAWAY	.937	8.426	5.452	.988

## AIRFRAME

FY	CUMULATIVE QUANTITY	CUMULATIVE AVERAGE COST (ACTUAL, \$M)	CUMULATIVE AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
64	52	4.246	4.282	-.036	.85
65	274	3.329	3.256	.073	2.19
66	793	2.697	2.733	-.036	1.33

## AIRFRAME &amp; ENGINE

FY	CUMULATIVE QUANTITY	CUMULATIVE AVERAGE COST (ACTUAL, \$M)	CUMULATIVE AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
64	52	5.166	5.197	-.031	.60
65	274	4.086	4.024	.062	1.52
66	793	3.384	3.416	-.032	.95

## TOTAL FLYAWAY

FY	CUMULATIVE QUANTITY	CUMULATIVE AVERAGE COST (ACTUAL, \$M)	CUMULATIVE AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
64	52	5.763	5.800	-.037	.64
65	274	5.037	4.956	.081	1.61
66	793	4.439	4.483	-.044	.99

F-4E

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**PHYSICAL AND PERFORMANCE  
CHARACTERISTICS**

MANUFACTURER: MCDONNELL DOUGLAS  
WING (FIXED/ROTARY): FIXED  
CTOL/VSTOL/STOL/OTHER: OTHER  
AIRFRAME PERFORMANCE: 10.17  
AIRCRAFT SYSTEM PERFORMANCE: 13.96  
ENGINE NUMBER: J79-GE-15  
NUMBER OF ENGINES: 2  
SERVICE: AIR FORCE

## F-4E

**TOTAL OBLIGATIONAL AUTHORITY  
(MILLIONS OF THEN-YEAR DOLLARS)**

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
66	99	144.144	30.492	37.917	0.000	19.998	232.551
67	191	260.142	75.445	42.784	0.000	33.616	411.978
68	245	378.525	99.960	56.595	0.000	39.690	574.770
69	145	273.760	65.105	43.935	0.000	30.150	412.815
71	24	39.072	0.000	7.176	1.800	6.960	55.008
72	36	68.112	0.000	11.808	2.412	6.084	88.416
73	48	93.360	12.144	26.736	2.496	12.720	147.456
74	24	53.616	14.112	12.792	2.520	4.920	87.960

**MILLIONS OF CONSTANT FY81 DOLLARS**

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
66	99	370.836	78.446	97.548	0.000	51.448	598.279
67	191	642.167	186.238	105.613	0.000	82.982	1016.979
68	245	901.250	238.000	134.750	0.000	94.500	1368.500
69	145	624.738	148.574	100.262	0.000	68.804	942.070
71	24	80.711	0.000	14.823	3.718	14.377	113.629
72	36	131.796	0.000	22.848	4.667	11.772	171.084
73	48	166.210	21.620	47.598	4.444	22.646	262.517
74	24	87.436	23.014	20.861	4.110	8.023	143.444
<b>TOTAL</b>	<b>812</b>	<b>3005.143</b>	<b>695.892</b>	<b>544.305</b>	<b>16.939</b>	<b>354.553</b>	<b>4616.502</b>

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FISCAL YEAR LOT AVERAGE COSTS  
(MILLIONS OF CONSTANT FY81 DOLLARS)

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
66	99	3.746	.792	.985	0.000	.520	6.043
67	191	3.362	.975	.553	0.000	.434	5.324
68	245	3.679	.971	.550	0.000	.386	5.586
69	145	4.309	1.025	.691	0.000	.475	6.497
71	24	3.363	0.000	.618	.155	.599	4.735
72	36	3.661	0.000	.635	.130	.327	4.752
73	48	3.463	.450	.992	.093	.472	5.469
74	24	3.643	.959	.869	.171	.334	5.977
TOTAL	812	3.701	.857	.670	.021	.437	5.685

CUMULATIVE AVERAGE COSTS  
(MILLIONS OF CONSTANT FY81 DOLLARS)

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
66	99	3.746	.792	.985	0.000	.520	6.043
67	290	3.493	.913	.701	0.000	.464	5.570
68	535	3.578	.940	.632	0.000	.428	5.577
69	680	3.734	.958	.644	0.000	.438	5.773
71	704	3.721	.925	.643	.005	.443	5.738
72	740	3.718	.880	.643	.011	.438	5.690
73	788	3.703	.854	.664	.016	.440	5.676
74	812	3.701	.857	.670	.021	.437	5.685

## UNIT COST CURVES

	CALC SLOPE	CALC FIRST COST	UNIT 100	R2
AIRFRAME	.999	3.666	3.648	.000
AIRFRAME & ENGINE	.975	5.292	4.475	.068
TOTAL FLYAWAY	.979	6.623	5.752	.084

## AIRFRAME

FY	PLOT POINT QUANTITY	FISCAL YEAR AVERAGE COST (ACTUAL, \$M)	FISCAL YEAR AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
66	38	3.746	3.652	.094	2.51
67	187	3.362	3.646	-.284	8.45
68	407	3.679	3.643	.036	.98
69	606	4.309	3.641	.668	15.50
71	692	3.363	3.640	-.277	8.24
72	722	3.661	3.640	.021	.57
73	764	3.463	3.640	-.177	5.11
74	800	3.643	3.640	.003	.08

## AIRFRAME &amp; ENGINE

FY	PLOT POINT QUANTITY	FISCAL YEAR AVERAGE COST (ACTUAL, \$M)	FISCAL YEAR AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
66	37	4.538	4.640	-.102	2.25
67	186	4.337	4.374	-.037	.85
68	407	4.650	4.252	.398	8.56
69	606	5.333	4.190	1.143	21.43
71	692	3.363	4.170	-.807	24.00
72	722	3.661	4.164	-.503	13.74
73	764	3.913	4.155	-.242	6.18
74	800	4.602	4.148	.454	9.87

## TOTAL FLYAWAY

FY	PLOT POINT QUANTITY	FISCAL YEAR AVERAGE COST (ACTUAL, \$M)	FISCAL YEAR AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
66	37	6.043	5.929	.114	1.89
67	186	5.324	5.643	-.319	5.99
68	407	5.586	5.510	.076	1.36
69	606	6.497	5.443	1.054	16.22
71	692	4.735	5.421	-.686	14.49
72	722	4.752	5.414	-.562	13.93
73	764	5.469	5.404	.065	1.19
74	800	5.977	5.397	.580	9.70

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## CUMULATIVE AVERAGE COST CURVES

	CALC SLOPE	CALC FIRST COST	CAC(100)	R2
AIRFRAME	1.003	3.580	3.649	.015
AIRFRAME & ENGINE	1.008	4.243	4.479	.204
TOTAL FLYAWAY	.985	6.540	5.919	.382

## AIRFRAME

FY	CUMULATIVE QUANTITY	CUMULATIVE AVERAGE COST (ACTUAL, \$M)	CUMULATIVE AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
55	99	3.746	3.649	.097	2.59
67	290	3.493	3.665	-.172	4.92
68	535	3.578	3.674	-.096	2.68
69	680	3.734	3.678	.056	1.50
71	704	3.721	3.679	.042	1.13
72	740	3.718	3.679	.039	1.05
73	788	3.703	3.680	.023	.62
74	812	3.701	3.681	.020	.54

## AIRFRAME &amp; ENGINE

FY	CUMULATIVE QUANTITY	CUMULATIVE AVERAGE COST (ACTUAL, \$M)	CUMULATIVE AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
56	99	4.538	4.478	.060	1.32
67	290	4.406	4.535	-.129	2.93
68	535	4.518	4.568	-.050	1.11
69	680	4.692	4.581	.111	2.37
71	704	4.646	4.582	.064	1.38
72	740	4.598	4.585	.013	.28
73	788	4.557	4.589	-.032	.70
74	812	4.558	4.590	-.032	.70

## TOTAL FLYAWAY

FY	CUMULATIVE QUANTITY	CUMULATIVE AVERAGE COST (ACTUAL, \$M)	CUMULATIVE AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
66	99	6.043	5.920	.123	2.04
67	290	5.570	5.784	-.214	3.84
68	535	5.577	5.707	-.130	2.33
69	680	5.775	5.678	.095	1.65
71	704	5.738	5.673	.065	1.13
72	740	5.690	5.667	.023	.40
73	788	5.676	5.660	.016	.28
74	812	5.685	5.656	.029	.51

F-4J

F-4J

**PHYSICAL AND PERFORMANCE  
CHARACTERISTICS**

MANUFACTURER:	MCDONNELL DOUGLAS
WING (FIXED/ROTARY):	FIXED
CTOL/VSTOL/STOL/OTHER:	CTOL
AIRFRAME PERFORMANCE:	10.31
AIRCRAFT SYSTEM PERFORMANCE:	13.39
ENGINE NUMBER:	J79-GE-10
NUMBER OF ENGINES:	2
SERVICE:	NAVY

F-4J

TOTAL OBLIGATIONAL AUTHORITY  
(MILLIONS OF THEN-YEAR DOLLARS)

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
65	18	32.250	6.459	24.278	.811	.658	64.456*
66	152	206.852	53.528	80.608	4.749	6.028	351.765
67	250	359.289	97.617	155.036	10.579	7.716	630.237
69	68	110.392	28.829	51.409	3.064	2.075	196.369
70	34	68.762	14.385	25.765	1.318	1.143	117.375

MILLIONS OF CONSTANT FY81 DOLLARS

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
65	18	88.966	17.818	66.974	2.237	1.815	177.810*
66	152	538.677	139.396	209.917	12.367	15.698	916.055
67	250	895.313	243.252	386.334	26.362	19.228	1570.488
69	68	254.947	66.580	118.727	7.076	4.792	453.508
70	34	151.492	31.692	56.764	2.904	2.518	258.592
TOTAL	522	1929.394	498.737	838.716	50.946	44.051	3376.453

\*\* = R&D LOT DATA

F-4J

F-4J

FISCAL YEAR LOT AVERAGE COSTS  
(MILLIONS OF CONSTANT FY81 DOLLARS)

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
65	18	4.943	.990	3.721	.124	.101	9.878*
66	152	3.544	.917	1.381	.081	.103	6.027
67	250	3.581	.973	1.545	.105	.077	6.282
69	68	3.749	.979	1.746	.104	.070	6.669
70	34	4.456	.932	1.670	.085	.074	7.606
<b>TOTAL</b>	<b>522</b>	<b>3.696</b>	<b>.955</b>	<b>1.607</b>	<b>.098</b>	<b>.084</b>	<b>6.468</b>

CUMULATIVE AVERAGE COSTS  
(MILLIONS OF CONSTANT FY81 DOLLARS)

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
66	152	3.544	.917	1.381	.081	.103	6.027
67	402	3.567	.952	1.483	.096	.087	6.185
69	470	3.593	.956	1.521	.097	.085	6.255
70	504	3.652	.954	1.531	.097	.084	6.347

\*\* = R&amp;D LOT DATA

## UNIT COST CURVES

	CALC SLOPE	CALC FIRST COST	UNIT 100	R2
AIRFRAME	1.049	2.614	3.592	.399
AIRFRAME & ENGINE	1.042	3.439	4.527	.471
TOTAL FLYAWAY	1.058	4.252	6.166	.596

## AIRFRAME

FY	PLOT POINT QUANTITY	FISCAL YEAR AVERAGE COST (ACTUAL, \$M)	FISCAL YEAR AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
--	-----	-----	-----	-----	-----
66	59	3.544	3.463	.081	2.29
67	268	3.581	3.845	-.264	7.37
69	436	3.749	3.976	-.227	6.05
70	487	4.456	4.006	.450	10.10

## AIRFRAME &amp; ENGINE

FY	PLOT POINT QUANTITY	FISCAL YEAR AVERAGE COST (ACTUAL, \$M)	FISCAL YEAR AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
--	-----	-----	-----	-----	-----
66	59	4.461	4.385	.076	1.70
67	268	4.554	4.801	-.247	5.42
69	436	4.728	4.942	-.214	4.53
70	487	5.388	4.975	.413	7.67

## TOTAL FLYAWAY

FY	PLOT POINT QUANTITY	FISCAL YEAR AVERAGE COST (ACTUAL, \$M)	FISCAL YEAR AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
--	-----	-----	-----	-----	-----
66	59	6.027	5.911	.116	1.92
67	268	6.282	6.678	-.396	6.30
69	436	6.669	6.944	-.275	4.12
70	487	7.606	7.007	.599	7.88

F-4J

F-4J

## CUMULATIVE AVERAGE COST CURVES

	CALC SLOPE	CALC FIRST COST	CAC(100)	R2
AIRFRAME	1.012	3.239	3.511	--
AIRFRAME & ENGINE	1.015	4.005	4.416	.576
TOTAL FLYAWAY	1.026	4.998	5.924	.787

## AIRFRAME

FY	CUMULATIVE QUANTITY	CUMULATIVE AVERAGE COST (ACTUAL, \$M)	CUMULATIVE AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
56	152	3.544	3.537	.007	.20
67	402	3.567	3.598	-.031	.87
69	470	3.593	3.608	-.015	.42
70	504	3.652	3.612	.040	1.10

## AIRFRAME &amp; ENGINE

FY	CUMULATIVE QUANTITY	CUMULATIVE AVERAGE COST (ACTUAL, \$M)	CUMULATIVE AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
56	152	4.461	4.455	.006	.13
67	402	4.519	4.548	-.029	.64
69	470	4.549	4.563	-.014	.31
70	504	4.606	4.570	.036	.78

## TOTAL FLYAWAY

FY	CUMULATIVE QUANTITY	CUMULATIVE AVERAGE COST (ACTUAL, \$M)	CUMULATIVE AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
56	152	6.027	6.016	.011	.18
67	402	6.185	6.236	-.051	.82
69	470	6.255	6.272	-.017	.27
70	504	6.347	6.289	.058	.91

F-4A/B

F-4A/B

**PHYSICAL AND PERFORMANCE  
CHARACTERISTICS**

MANUFACTURER:	MCDONNELL DOUGLAS
WING (FIXED/ROTARY):	FIXED
CTOL/VSTOL/STOL/OTHER:	CTOL
AIRFRAME PERFORMANCE:	10.31
AIRCRAFT SYSTEM PERFORMANCE:	9.32
ENGINE NUMBER:	J79-GE-2
NUMBER OF ENGINES:	2
SERVICE:	NAVY

## F-4A/B

**TOTAL OBLIGATIONAL AUTHORITY  
(MILLIONS OF THEN-YEAR DOLLARS)**

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
59	24	71.520	15.634	4.386	1.730	.190	93.460
60	72	169.997	35.640	14.818	3.982	1.070	225.507
61	72	138.029	30.240	14.704	3.276	.599	186.848
62	118	185.979	44.544	23.121	5.715	2.112	261.471
63	123	154.783	44.581	17.125	5.782	3.499	225.770
64	125	148.796	46.186	17.585	3.547	3.741	219.855
65	106	116.830	38.053	16.215	4.157	4.796	180.051
66	4	5.174	.229	.828	.604	.370	7.205

**MILLIONS OF CONSTANT FY81 DOLLARS**

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
59	24	218.783	47.825	13.417	5.292	.581	285.898
60	72	517.652	108.526	45.122	12.125	3.258	686.684
61	72	420.948	92.223	44.843	9.991	1.827	569.832
62	118	570.138	136.554	70.880	17.520	6.475	801.567
63	123	468.188	134.849	51.800	17.489	10.584	682.910
64	125	434.949	135.007	51.403	10.368	10.935	642.663
65	106	322.290	104.974	44.731	11.468	13.230	496.692
66	4	13.474	.596	2.156	1.573	.964	18.763
<b>TOTAL</b>	<b>644</b>	<b>2966.422</b>	<b>760.555</b>	<b>324.352</b>	<b>85.827</b>	<b>47.854</b>	<b>4185.009</b>

F-4A/B

F-4A/B

FISCAL YEAR LOT AVERAGE COSTS  
(MILLIONS OF CONSTANT FY81 DOLLARS)

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
59	24	9.116	1.993	.559	.221	.024	11.912
60	72	7.190	1.507	.627	.168	.045	9.537
61	72	5.847	1.281	.623	.139	.025	7.914
62	118	4.832	1.157	.601	.148	.055	6.793
63	123	3.806	1.096	.421	.142	.086	5.552
64	125	3.480	1.080	.411	.083	.087	5.141
65	106	3.040	.990	.422	.108	.125	4.686
66	4	3.368	.149	.539	.393	.241	4.691
TOTAL	644	4.606	1.181	.504	.133	.074	6.498

CUMULATIVE AVERAGE COSTS  
(MILLIONS OF CONSTANT FY81 DOLLARS)

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
59	24	9.116	1.993	.559	.221	.024	11.912
60	96	7.671	1.629	.610	.181	.040	10.131
61	168	6.889	1.480	.615	.163	.034	9.181
62	286	6.040	1.347	.609	.157	.042	8.196
63	409	5.368	1.271	.553	.153	.056	7.401
64	534	4.926	1.227	.520	.136	.063	6.872
65	640	4.614	1.187	.503	.132	.073	6.510
66	644	4.606	1.181	.504	.133	.074	6.498

## F-4A/B

## UNIT COST CURVES

	CALC SLOPE	CALC FIRST COST	UNIT 100	R2
AIRFRAME	.834	18.374	5.482	.933
AIRFRAME & ENGINE	.834	22.407	6.731	.925
TOTAL FLYAWAY	.852	22.048	7.578	.946

## AIRFRAME

FY	PLOT POINT QUANTITY	FISCAL YEAR AVERAGE COST (ACTUAL, \$M)	FISCAL YEAR AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
59	9	9.116	10.341	-1.225	13.44
60	56	7.190	6.397	.793	11.03
61	130	5.847	5.112	.735	12.57
62	224	4.832	4.434	.398	8.24
63	346	3.806	3.958	-.152	3.99
64	470	3.480	3.650	-.170	4.89
65	586	3.040	3.445	-.405	13.32
66	642	3.368	3.363	.005	.15

## AIRFRAME &amp; ENGINE

FY	PLOT POINT QUANTITY	FISCAL YEAR AVERAGE COST (ACTUAL, \$M)	FISCAL YEAR AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
59	9	11.109	12.651	-1.542	13.88
60	56	8.697	7.849	.848	9.75
61	130	7.127	6.280	.847	11.88
62	224	5.989	5.452	.537	8.97
63	346	4.903	4.869	.034	.69
64	470	4.560	4.493	.067	1.47
65	586	4.031	4.241	-.210	5.21
66	642	3.518	4.141	-.623	17.71

## TOTAL FLYAWAY

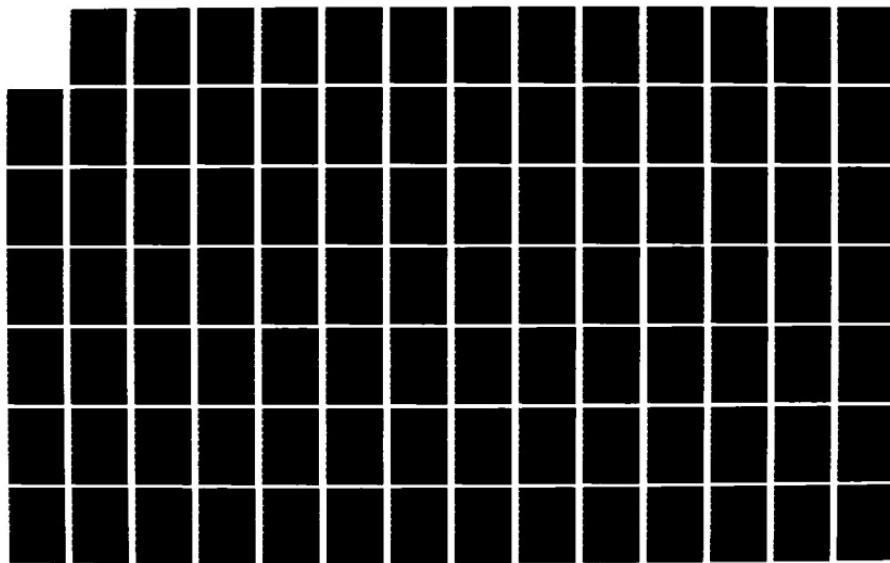
FY	PLOT POINT QUANTITY	FISCAL YEAR AVERAGE COST (ACTUAL, \$M)	FISCAL YEAR AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
59	9	11.912	13.236	-1.324	11.11
60	56	9.537	8.681	.856	8.98
61	130	7.914	7.125	.789	9.97
62	224	6.793	6.283	.510	7.51
63	346	5.552	5.684	-.132	2.38
64	470	5.141	5.292	-.151	2.94
65	586	4.686	5.028	-.342	7.30
66	642	4.691	4.923	-.232	4.95

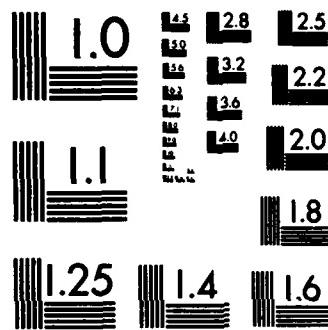
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MICROCOPY RESOLUTION TEST CHART  
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F-4A/B

F-4A/B

## CUMULATIVE AVERAGE COST CURVES

	CALC SLOPE	CALC FIRST COST	CAC(100)	R2
AIRFRAME	.861	19.414	7.202	.955
AIRFRAME & ENGINE	.868	22.609	8.802	.966
TOTAL FLYAWAY	.876	23.134	9.613	.963

## AIRFRAME

FY	CUMULATIVE QUANTITY	CUMULATIVE AVERAGE COST (ACTUAL, \$M)	CUMULATIVE AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
59	24	9.116	9.793	-.677	7.43
60	96	7.671	7.265	.406	5.29
61	168	6.889	6.440	.449	6.52
62	286	6.040	5.743	.297	4.92
63	409	5.368	5.317	.051	.95
64	534	4.926	5.021	-.095	1.93
65	640	4.614	4.829	-.215	4.66
66	644	4.606	4.822	-.216	4.69

## AIRFRAME &amp; ENGINE

FY	CUMULATIVE QUANTITY	CUMULATIVE AVERAGE COST (ACTUAL, \$M)	CUMULATIVE AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
59	24	11.109	11.791	-.682	6.14
60	96	9.300	8.876	.424	4.56
61	168	8.369	7.915	.454	5.42
62	286	7.387	7.098	.289	3.91
63	409	6.640	6.596	.044	.66
64	534	6.153	6.245	-.092	1.50
65	640	5.801	6.018	-.217	3.74
66	644	5.787	6.010	-.223	3.85

## TOTAL FLYAWAY

FY	CUMULATIVE QUANTITY	CUMULATIVE AVERAGE COST (ACTUAL, \$M)	CUMULATIVE AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
59	24	11.912	12.619	-.707	5.94
60	96	10.131	9.688	.443	4.37
61	168	9.181	8.707	.474	5.16
62	286	8.196	7.867	.329	4.01
63	409	7.401	7.348	.053	.72
64	534	6.872	6.984	-.112	1.63
65	640	6.510	6.747	-.237	3.64
66	644	6.498	6.739	-.241	3.71

F-4C/D

F-4C/D

**PHYSICAL AND PERFORMANCE  
CHARACTERISTICS**

MANUFACTURER:	MCDONNELL DOUGLAS
WING (FIXED/ROTARY):	FIXED
CTOL/VSTOL/STOL/OTHER:	CTOL
AIRFRAME PERFORMANCE:	10
AIRCRAFT SYSTEM PERFORMANCE:	10.07
ENGINE NUMBER:	J79-GE-15
NUMBER OF ENGINES:	2
SERVICE:	AIR FORCE

F-4C/D

**TOTAL OBLIGATIONAL AUTHORITY  
(MILLIONS OF THEN-YEAR DOLLARS)**

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
62	30	0.000	0.000	0.000	0.000	0.000	57.200
63	307	0.000	0.000	0.000	0.000	0.000	582.600
64	275	0.000	0.000	0.000	0.000	0.000	522.000
64	52	76.652	16.611	10.735	0.000	.051	104.049
65	222	254.463	58.815	46.012	1.870	36.594	397.754
66	519	476.700	131.200	151.100	3.535	69.165	831.700

**MILLIONS OF CONSTANT FY81 DOLLARS**

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
62	30	0.000	0.000	0.000	0.000	0.000	174.710
63	307	0.000	0.000	0.000	0.000	0.000	1749.550
64	275	0.000	0.000	0.000	0.000	0.000	1503.456
64	52	220.772	47.843	30.919	0.000	.147	299.680
65	222	691.288	159.780	124.999	5.080	99.413	1080.560
66	519	1226.396	337.535	388.732	9.094	177.939	2139.696
<b>TOTAL</b>	<b>1405</b>	<b>2138.455</b>	<b>545.158</b>	<b>544.649</b>	<b>14.175</b>	<b>277.499</b>	<b>6947.652</b>

F-4C/D

F-4C/D

FISCAL YEAR LOT AVERAGE COSTS  
(MILLIONS OF CONSTANT FY81 DOLLARS)

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
62	30	0.000	0.000	0.000	0.000	0.000	5.824
63	307	0.000	0.000	0.000	0.000	0.000	5.699
64	275	0.000	0.000	0.000	0.000	0.000	5.467
64	52	4.246	.920	.595	0.000	.003	5.763
65	222	3.114	.720	.563	.023	.448	4.867
66	519	2.363	.650	.749	.018	.343	4.123
<b>TOTAL</b>	<b>1405</b>	<b>1.522</b>	<b>.388</b>	<b>.388</b>	<b>.010</b>	<b>.198</b>	<b>4.945</b>

CUMULATIVE AVERAGE COSTS  
(MILLIONS OF CONSTANT FY81 DOLLARS)

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
62	30	0.000	0.000	0.000	0.000	0.000	5.824
63	337	0.000	0.000	0.000	0.000	0.000	5.710
64	612	0.000	0.000	0.000	0.000	0.000	5.601
64	664	.332	.072	.047	0.000	.000	5.614
65	886	1.029	.234	.176	.006	.112	5.427
66	1405	1.522	.388	.388	.010	.198	4.945

## F-4C/D

## UNIT COST CURVES

	CALC SLOPE	FIRST COST	UNIT 100	R2
AIRFRAME	---	---	---	--
AIRFRAME & ENGINE	---	---	---	--
TOTAL FLYAWAY	.967	6.905	5.521	.366

## AIRFRAME

FY	PLOT POINT QUANTITY	FISCAL YEAR AVERAGE COST (ACTUAL,\$M)	FISCAL YEAR AVERAGE COST (ESTIMATED,\$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
--	-----	-----	-----	-----	-----
NOT CALCULATED					

## AIRFRAME &amp; ENGINE

FY	PLOT POINT QUANTITY	FISCAL YEAR AVERAGE COST (ACTUAL,\$M)	FISCAL YEAR AVERAGE COST (ESTIMATED,\$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
--	-----	-----	-----	-----	-----
NOT CALCULATED					

## TOTAL FLYAWAY

FY	PLOT POINT QUANTITY	FISCAL YEAR AVERAGE COST (ACTUAL,\$M)	FISCAL YEAR AVERAGE COST (ESTIMATED,\$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
--	-----	-----	-----	-----	-----
62	12	5.824	6.124	-.300	5.15
63	156	5.699	5.403	.296	5.19
64	467	5.467	5.123	.344	6.29
64	638	5.763	5.046	.717	12.44
65	772	4.867	4.999	-.132	2.71
66	1135	4.123	4.907	-.784	19.02

F-4C/D

F-4C/D

## CUMULATIVE AVERAGE COST CURVES

	CALC SLOPE	CALC FIRST COST	CAC(100)	R2
AIRFRAME	---	---	---	--
AIRFRAME & ENGINE	---	---	---	--
TOTAL FLYAWAY	.979	6.605	5.753	.500

## AIRFRAME

FY	CUMULATIVE QUANTITY	CUMULATIVE AVERAGE COST (ACTUAL,\$M)	CUMULATIVE AVERAGE COST (ESTIMATED,\$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
----	------------------------	--	---	------------------------------	-----------------------

NOT CALCULATED

## AIRFRAME &amp; ENGINE

FY	CUMULATIVE QUANTITY	CUMULATIVE AVERAGE COST (ACTUAL,\$M)	CUMULATIVE AVERAGE COST (ESTIMATED,\$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
----	------------------------	--	---	------------------------------	-----------------------

NOT CALCULATED

## TOTAL FLYAWAY

FY	CUMULATIVE QUANTITY	CUMULATIVE AVERAGE COST (ACTUAL,\$M)	CUMULATIVE AVERAGE COST (ESTIMATED,\$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
----	------------------------	--	---	------------------------------	-----------------------

62	30	5.824	5.964	-.140	2.40
63	337	5.710	5.547	.163	2.85
64	612	5.601	5.449	.152	2.71
64	664	5.614	5.435	.179	3.19
65	886	5.427	5.388	.039	.72
66	1405	4.945	5.314	-.369	7.46

F-6A

F-6A

PHYSICAL AND PERFORMANCE  
CHARACTERISTICS

MANUFACTURER:	DOUGLAS
WING (FIXED/ROTARY):	FIXED
CTOL/VSTOL/STOL/OTHER:.	CTOL
AIRFRAME PERFORMANCE:	7.6
AIRCRAFT SYSTEM PERFORMANCE:	7.58
ENGINE NUMBER:	J57-P-8
NUMBER OF ENGINES:	1
SERVICE:	NAVY

## F-6A

TOTAL OBLIGATIONAL AUTHORITY  
(MILLIONS OF THEN-YEAR DOLLARS)

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
52	11	48.913	1.931	.261	.017	.418	51.540*
53	230	161.399	42.419	31.840	.800	6.420	242.878
54	178	86.832	23.226	12.267	2.493	3.484	128.302

## MILLIONS OF CONSTANT FY81 DOLLARS

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
52	11	167.970	6.631	.896	.058	1.435	176.992*
53	230	547.858	143.988	108.079	2.716	21.792	824.433
54	178	284.415	76.076	40.180	8.166	11.412	420.249
<b>TOTAL</b>	<b>419</b>	<b>1000.244</b>	<b>226.696</b>	<b>149.155</b>	<b>10.940</b>	<b>34.639</b>	<b>1421.674</b>

FISCAL YEAR LOT AVERAGE COSTS  
(MILLIONS OF CONSTANT FY81 DOLLARS)

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
52	11	15.270	.603	.081	.005	.130	16.090*
53	230	2.382	.626	.470	.012	.095	3.584
54	178	1.598	.427	.226	.046	.064	2.361
<b>TOTAL</b>	<b>419</b>	<b>2.387</b>	<b>.541</b>	<b>.356</b>	<b>.026</b>	<b>.083</b>	<b>3.393</b>

CUMULATIVE AVERAGE COSTS  
(MILLIONS OF CONSTANT FY81 DOLLARS)

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
53	230	2.382	.626	.470	.012	.095	3.584
54	408	2.040	.539	.363	.027	.081	3.051

\* = R&amp;D LOT DATA

F-6A

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## UNIT COST CURVES

	CALC SLOPE	CALC FIRST COST	UNIT 100	R2
AIRFRAME	0.000	0.000	0.000	0.000
AIRFRAME & ENGINE	0.000	0.000	0.000	0.000
TOTAL FLYAWAY	0.000	0.000	0.000	0.000

## AIRFRAME

FY	PLOT POINT QUANTITY	FISCAL YEAR AVERAGE COST (ACTUAL, \$M)	FISCAL YEAR AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
53	89	2.382	0.000	2.382	100.00
54	316	1.598	0.000	1.598	100.00

## AIRFRAME &amp; ENGINE

FY	PLOT POINT QUANTITY	FISCAL YEAR AVERAGE COST (ACTUAL, \$M)	FISCAL YEAR AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
53	88	3.008	0.000	3.008	100.00
54	316	2.025	0.000	2.025	100.00

## TOTAL FLYAWAY

FY	PLOT POINT QUANTITY	FISCAL YEAR AVERAGE COST (ACTUAL, \$M)	FISCAL YEAR AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
53	89	3.584	0.000	3.584	100.00
54	316	2.361	0.000	2.361	100.00

## CUMULATIVE AVERAGE COST CURVES

		CALC SLOPE	FIRST COST	CAC(100)	R2
		-----	-----	-----	--
AIRFRAME		0.000	0.000	0.000	0.000
AIRFRAME & ENGINE		0.000	0.000	0.000	0.000
TOTAL FLYAWAY		0.000	0.000	0.000	0.000

AIRFRAME					
FY	CUMULATIVE QUANTITY	CUMULATIVE AVERAGE COST (ACTUAL, \$M)	CUMULATIVE AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
--	-----	-----	-----	-----	-----
53	230	2.382	0.000	2.382	100.00
54	408	2.040	0.000	2.040	100.00

AIRFRAME & ENGINE					
FY	CUMULATIVE QUANTITY	CUMULATIVE AVERAGE COST (ACTUAL, \$M)	CUMULATIVE AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
--	-----	-----	-----	-----	-----
53	230	3.008	0.000	3.008	100.00
54	408	2.579	0.000	2.579	100.00

TOTAL FLYAWAY					
FY	CUMULATIVE QUANTITY	CUMULATIVE AVERAGE COST (ACTUAL, \$M)	CUMULATIVE AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
--	-----	-----	-----	-----	-----
53	230	3.584	0.000	3.584	100.00
54	408	3.051	0.000	3.051	100.00

F-8A

F-8A

PHYSICAL AND PERFORMANCE  
CHARACTERISTICS

MANUFACTURER:	VOUGHT
WING (FIXED/ROTARY):	FIXED
CTOL/VSTOL/STOL/OTHER:	CTOL
AIRFRAME PERFORMANCE:	8.4
AIRCRAFT SYSTEM PERFORMANCE:	8.4
ENGINE NUMBER:	J57-P-4
NUMBER OF ENGINES:	1
SERVICE:	NAVY

## F-8A

TOTAL OBLIGATIONAL AUTHORITY  
(MILLIONS OF THEN-YEAR DOLLARS)

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
54	5	21.265	1.373	.066	.070	.091	22.865*
55	35	60.631	6.580	.454	.5C1	.643	68.809
56	180	132.679	31.373	1.986	1.982	2.642	170.662
57	98	58.996	16.140	1.063	1.582	1.858	79.639

## MILLIONS OF CONSTANT FY81 DOLLARS

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
54	5	69.653	4.497	.216	.229	.298	74.894*
55	35	190.723	20.698	1.428	1.576	2.023	216.449
56	180	400.722	94.754	5.998	5.986	7.979	515.439
57	98	176.847	48.381	3.186	4.742	5.570	238.726
<b>TOTAL</b>	<b>318</b>	<b>837.945</b>	<b>168.331</b>	<b>10.829</b>	<b>12.534</b>	<b>15.870</b>	<b>1045.508</b>

\*\*\* = R&amp;D LOT DATA

## F-8A

F-8A

FISCAL YEAR LOT AVERAGE COSTS  
(MILLIONS OF CONSTANT FY81 DOLLARS)

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
54	5	13.931	.899	.043	.046	.060	14.979*
55	35	5.449	.591	.041	.045	.058	6.184
56	180	2.226	.526	.033	.033	.044	2.864
57	98	1.805	.494	.033	.048	.057	2.436
<b>TOTAL</b>	<b>318</b>	<b>2.635</b>	<b>.529</b>	<b>.034</b>	<b>.039</b>	<b>.050</b>	<b>3.288</b>

CUMULATIVE AVERAGE COSTS  
(MILLIONS OF CONSTANT FY81 DOLLARS)

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
55	35	5.449	.591	.041	.045	.058	6.184
56	215	2.751	.537	.035	.035	.047	3.404
57	313	2.455	.523	.034	.039	.050	3.101

\* = R&D LOT DATA

## UNIT COST CURVES

	CALC SLOPE	CALC FIRST COST	UNIT 100	R2
AIRFRAME	.775	13.288	2.451	.990
AIRFRAME & ENGINE	.799	13.325	3.007	.989
TOTAL FLYAWAY	.805	13.300	3.143	.986

## AIRFRAME

FY	PLOT POINT QUANTITY	FISCAL YEAR AVERAGE COST (ACTUAL, \$M)	FISCAL YEAR AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
--	-----	-----	-----	-----	-----
55	12	5.449	5.345	.104	1.91
56	108	2.226	2.381	-.155	6.96
57	262	1.805	1.720	.085	4.71

## AIRFRAME &amp; ENGINE

FY	PLOT POINT QUANTITY	FISCAL YEAR AVERAGE COST (ACTUAL, \$M)	FISCAL YEAR AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
--	-----	-----	-----	-----	-----
55	12	6.041	5.936	.105	1.74
56	109	2.753	2.925	-.172	6.25
57	262	2.298	2.201	.097	4.22

## TOTAL FLYAWAY

FY	PLOT POINT QUANTITY	FISCAL YEAR AVERAGE COST (ACTUAL, \$M)	FISCAL YEAR AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
--	-----	-----	-----	-----	-----
55	12	6.184	5.068	.116	1.88
56	109	2.864	3.060	-.196	6.84
57	262	2.436	2.323	.113	4.64

F-8A

F-8A

## CUMULATIVE AVERAGE COST CURVES

	CALC SLOPE	FIRST COST	CAC(100)	R2
AIRFRAME	.775	20.117	3.695	--
AIRFRAME & ENGINE	.797	19.256	4.277	.999
TOTAL FLYAWAY	.801	19.207	4.411	.999

## AIRFRAME

FY	CUMULATIVE QUANTITY	CUMULATIVE AVERAGE COST (ACTUAL,\$M)	CUMULATIVE AVERAGE COST (ESTIMATED,\$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
55	35	5.449	5.437	.012	.22
56	215	2.751	2.788	-.037	1.34
57	313	2.455	2.428	.027	1.10

## AIRFRAME &amp; ENGINE

FY	CUMULATIVE QUANTITY	CUMULATIVE AVERAGE COST (ACTUAL,\$M)	CUMULATIVE AVERAGE COST (ESTIMATED,\$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
55	35	5.041	6.027	.014	.23
56	215	3.288	3.531	-.043	1.31
57	313	2.978	2.946	.032	1.07

## TOTAL FLYAWAY

FY	CUMULATIVE QUANTITY	CUMULATIVE AVERAGE COST (ACTUAL,\$M)	CUMULATIVE AVERAGE COST (ESTIMATED,\$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
55	35	6.184	6.169	.015	.24
56	215	3.404	3.454	-.050	1.47
57	313	3.101	3.064	.037	1.19

F-8B

F-8B

**PHYSICAL AND PERFORMANCE  
CHARACTERISTICS**

MANUFACTURER: VOUGHT  
WING (FIXED/ROTARY): FIXED  
CTOL/VSTOL/STOL/OTHER: CTOL  
AIRFRAME PERFORMANCE: 8.4  
AIRCRAFT SYSTEM PERFORMANCE: 8.4  
ENGINE NUMBER: J57-P-4  
NUMBER OF ENGINES: 1  
SERVICE: NAVY

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**TOTAL OBLIGATIONAL AUTHORITY  
(MILLIONS OF THEN-YEAR DOLLARS)**

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
57	130	80.080	21.410	4.107	1.674	2.114	109.385

**MILLIONS OF CONSTANT FY81 DOLLARS**

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
57	130	240.048	64.179	12.311	5.018	6.337	327.893
<b>TOTAL</b>	<b>130</b>	<b>240.048</b>	<b>64.179</b>	<b>12.311</b>	<b>5.018</b>	<b>6.337</b>	<b>327.893</b>

**FISCAL YEAR LOT AVERAGE COSTS  
(MILLIONS OF CONSTANT FY81 DOLLARS)**

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
57	130	1.847	.494	.095	.039	.049	2.522
<b>TOTAL</b>	<b>130</b>	<b>1.847</b>	<b>.494</b>	<b>.095</b>	<b>.039</b>	<b>.049</b>	<b>2.522</b>

**CUMULATIVE AVERAGE COSTS  
(MILLIONS OF CONSTANT FY81 DOLLARS)**

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
57	130	1.847	.494	.095	.039	.049	2.522

F-8C

F-8C

**PHYSICAL AND PERFORMANCE  
CHARACTERISTICS**

MANUFACTURER:	VOUGHT
WING (FIXED/ROTARY):	FIXED
CTOL/VSTOL/STOL/OTHER:	CTOL
AIRFRAME PERFORMANCE:	8.4
AIRCRAFT SYSTEM PERFORMANCE:	8.4
ENGINE NUMBER:	J57-P-16
NUMBER OF ENGINES:	1
SERVICE:	NAVY

## F-8C

TOTAL OBLIGATIONAL AUTHORITY  
(MILLIONS OF THEN-YEAR DOLLARS)

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
57	58	46.872	12.591	1.757	1.444	.986	63.650
58	129	77.690	25.238	4.016	1.554	1.807	110.305

## MILLIONS OF CONSTANT FY81 DOLLARS

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
57	58	140.504	37.743	5.267	4.329	2.956	190.797
58	129	235.996	76.665	12.199	4.721	5.489	335.070
TOTAL		187	376.500	114.407	17.466	9.049	525.867

FISCAL YEAR LOT AVERAGE COSTS  
(MILLIONS OF CONSTANT FY81 DOLLARS)

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
57	58	2.422	.651	.091	.075	.051	3.290
58	129	1.829	.594	.095	.037	.043	2.597
TOTAL		187	2.013	.612	.093	.048	2.812

CUMULATIVE AVERAGE COSTS  
(MILLIONS OF CONSTANT FY81 DOLLARS)

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
57	58	2.422	.651	.091	.075	.051	3.290
58	187	2.013	.612	.093	.048	.045	2.812

F-8D

F-8D

**PHYSICAL AND PERFORMANCE  
CHARACTERISTICS**

MANUFACTURER:	VOUGHT
WING (FIXED/ROTARY):	FIXED
CTOL/VSTOL/STOL/OTHER:	CTOL
AIRFRAME PERFORMANCE:	8.4
AIRCRAFT SYSTEM PERFORMANCE:	8.4
ENGINE NUMBER:	J57-P-20
NUMBER OF ENGINES:	1
SERVICE:	NAVY

## F-8D

TOTAL OBLIGATIONAL AUTHORITY  
(MILLIONS OF THEN-YEAR DOLLARS)

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
58	38	45.076	8.243	5.413	.860	.609	60.201
59	30	20.28G	6.417	4.793	.992	.606	33.088
60	84	56.784	19.159	12.156	2.312	1.572	91.983

## MILLIONS OF CONSTANT FY81 DOLLARS

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
58	38	136.926	25.039	16.443	2.612	1.850	182.871
59	30	62.037	19.630	14.662	3.035	1.854	101.217
60	84	172.911	58.340	37.016	7.040	4.787	280.094
<b>TOTAL</b>	<b>152</b>	<b>371.874</b>	<b>103.010</b>	<b>68.121</b>	<b>12.687</b>	<b>8.491</b>	<b>564.182</b>

FISCAL YEAR LOT AVERAGE COSTS  
(MILLIONS OF CONSTANT FY81 DOLLARS)

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
58	38	3.603	.659	.433	.069	.049	4.812
59	30	2.068	.654	.489	.101	.062	3.374
60	84	2.058	.695	.441	.084	.057	3.334
<b>TOTAL</b>	<b>152</b>	<b>2.447</b>	<b>.678</b>	<b>.448</b>	<b>.083</b>	<b>.056</b>	<b>3.712</b>

CUMULATIVE AVERAGE COSTS  
(MILLIONS OF CONSTANT FY81 DOLLARS)

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
58	38	3.603	.659	.433	.069	.049	4.812
59	68	2.926	.657	.457	.083	.054	4.178
60	152	2.447	.678	.448	.083	.056	3.712

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F-8D

## UNIT COST CURVES

	CALC SLOPE	CALC FIRST COST	UNIT 100	R2
AIRFRAME	.819	7.286	1.939	.892
AIRFRAME & ENGINE	.854	7.474	2.611	.870
TOTAL FLYAWAY	.876	7.752	3.218	.900

## AIRFRAME

FY	PLOT POINT QUANTITY	FISCAL YEAR AVERAGE COST (ACTUAL, \$M)	FISCAL YEAR AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
58	13	3.603	3.458	.145	4.02
59	53	2.068	2.332	-.264	12.77
60	107	2.058	1.902	.156	7.58

## AIRFRAME &amp; ENGINE

FY	PLOT POINT QUANTITY	FISCAL YEAR AVERAGE COST (ACTUAL, \$M)	FISCAL YEAR AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
58	14	4.262	4.110	.152	3.57
59	53	2.722	3.023	-.301	11.06
60	107	2.753	2.570	.183	6.65

## TOTAL FLYAWAY

FY	PLOT POINT QUANTITY	FISCAL YEAR AVERAGE COST (ACTUAL, \$M)	FISCAL YEAR AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
58	14	4.812	4.688	.124	2.58
59	53	3.374	3.637	-.263	7.79
60	107	3.334	3.175	.159	4.77

## CUMULATIVE AVERAGE COST CURVES

	CALC SLOPE	CALC FIRST COST	CAC(100)	R2
AIRFRAME	.826	9.656	2.711	.982
AIRFRAME & ENGINE	.858	9.358	3.386	.974
TOTAL FLYAWAY	.880	9.311	3.975	.979

## AIRFRAME

FY	CUMULATIVE QUANTITY	CUMULATIVE AVERAGE COST (ACTUAL, \$M)	CUMULATIVE AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
58	38	3.603	3.541	.062	1.72
59	68	2.926	3.016	-.090	3.08
60	152	2.447	2.416	.031	1.27

## AIRFRAME &amp; ENGINE

FY	CUMULATIVE QUANTITY	CUMULATIVE AVERAGE COST (ACTUAL, \$M)	CUMULATIVE AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
58	38	4.262	4.192	.070	1.64
59	68	3.583	3.687	-.104	2.90
60	152	3.124	3.087	.037	1.18

## TOTAL FLYAWAY

FY	CUMULATIVE QUANTITY	CUMULATIVE AVERAGE COST (ACTUAL, \$M)	CUMULATIVE AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
58	38	4.812	4.753	.059	1.23
59	68	4.178	4.268	-.090	2.15
60	152	3.712	3.679	.033	.89

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**PHYSICAL AND PERFORMANCE  
CHARACTERISTICS**

MANUFACTURER:	VOUGHT
WING (FIXED/ROTARY):	FIXED
CTOL/VSTOL/STOL/OTHER:	CTOL
AIRFRAME PERFORMANCE:	8.4
AIRCRAFT SYSTEM PERFORMANCE:	8.4
ENGINE NUMBER:	J57-P-20
NUMBER OF ENGINES:	1
SERVICE:	NAVY

## F-8E

TOTAL OBLIGATIONAL AUTHORITY  
(MILLIONS OF THEN-YEAR DOLLARS)

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
61	94	66.590	20.060	11.822	2.404	.835	101.711
62	102	62.222	22.151	14.954	2.831	1.516	103.674
63	90	53.553	20.599	7.517	2.315	1.434	85.418

## MILLIONS OF CONSTANT FY81 DOLLARS

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
61	94	203.080	61.177	36.054	7.332	2.547	310.189
62	102	190.748	67.906	45.843	8.679	4.647	317.823
63	90	161.987	62.308	22.737	7.002	4.338	258.373
<b>TOTAL</b>	<b>286</b>	<b>555.816</b>	<b>191.391</b>	<b>104.634</b>	<b>23.013</b>	<b>11.532</b>	<b>886.385</b>

FISCAL YEAR LOT AVERAGE COSTS  
(MILLIONS OF CONSTANT FY81 DOLLARS)

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
61	94	2.160	.651	.384	.078	.027	3.300
62	102	1.870	.666	.449	.085	.046	3.116
63	90	1.800	.692	.253	.078	.048	2.871
<b>TOTAL</b>	<b>286</b>	<b>1.943</b>	<b>.669</b>	<b>.366</b>	<b>.080</b>	<b>.040</b>	<b>3.099</b>

CUMULATIVE AVERAGE COSTS  
(MILLIONS OF CONSTANT FY81 DOLLARS)

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
61	94	2.160	.651	.384	.078	.027	3.300
62	196	2.009	.659	.418	.082	.037	3.204
63	286	1.943	.669	.366	.080	.040	3.099

F-8E

F-8E

## UNIT COST CURVES

	CALC SLOPE	CALC FIRST COST	UNIT 100	R2
AIRFRAME	.936	3.022	1.947	.996
AIRFRAME & ENGINE	.956	3.527	2.619	.983
TOTAL FLYAWAY	.956	4.195	3.102	.876

## AIRFRAME

FY	PLOT POINT QUANTITY	FISCAL YEAR AVERAGE COST (ACTUAL, \$M)	FISCAL YEAR AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
61	34	2.160	2.156	.004	.19
62	142	1.870	1.883	-.013	.70
63	240	1.800	1.791	.009	.50

## AIRFRAME &amp; ENGINE

FY	PLOT POINT QUANTITY	FISCAL YEAR AVERAGE COST (ACTUAL, \$M)	FISCAL YEAR AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
61	35	2.811	2.804	.007	.25
62	142	2.536	2.560	-.024	.95
63	240	2.492	2.475	.017	.68

## TOTAL FLYAWAY

FY	PLOT POINT QUANTITY	FISCAL YEAR AVERAGE COST (ACTUAL, \$M)	FISCAL YEAR AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
61	35	3.300	3.325	-.025	.76
62	142	3.116	3.031	.085	2.73
63	240	2.871	2.929	-.058	2.02

## CUMULATIVE AVERAGE COST CURVES

	CALC SLOPE	CALC FIRST COST	CAC(100)	R2
AIRFRAME	.936	3.334	2.146	.999
AIRFRAME & ENGINE	.955	3.801	2.797	.996
TOTAL FLYAWAY	.963	4.231	3.297	.953

## AIRFRAME

FY	CUMULATIVE QUANTITY	CUMULATIVE AVERAGE COST (ACTUAL, \$M)	CUMULATIVE AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
61	94	2.160	2.159	.001	.05
62	196	2.009	2.013	-.003	.20
63	286	1.943	1.941	.002	.10

## AIRFRAME &amp; ENGINE

FY	CUMULATIVE QUANTITY	CUMULATIVE AVERAGE COST (ACTUAL, \$M)	CUMULATIVE AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
61	94	2.811	2.809	.002	.07
62	196	2.668	2.675	-.006	.26
63	286	2.613	2.608	.005	.19

## TOTAL FLYAWAY

FY	CUMULATIVE QUANTITY	CUMULATIVE AVERAGE COST (ACTUAL, \$M)	CUMULATIVE AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
61	94	3.300	3.309	-.008	.27
62	196	3.204	3.179	.025	.78
63	286	3.099	3.115	-.016	.52

F-8A/B/C

F-8A/B/C

PHYSICAL AND PERFORMANCE  
CHARACTERISTICS

MANUFACTURER:	VOUGHT
WING (FIXED/ROTARY):	FIXED
CTOL/VSTOL/STOL/OTHER:	CTOL
AIRFRAME PERFORMANCE:	8.4
AIRCRAFT SYSTEM PERFORMANCE:	8.4
ENGINE NUMBER:	J57-P-4
NUMBER OF ENGINES:	1
SERVICE:	NAVY

F-8A/B/C

TOTAL OBLIGATIONAL AUTHORITY  
(MILLIONS OF THEN-YEAR DOLLARS)

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
55	35	60.631	6.580	.454	.501	.643	68.809
56	180	132.679	31.373	1.986	1.982	2.642	170.662
57	98	58.996	16.140	1.063	1.582	1.858	79.639
57	130	80.080	21.410	4.107	1.674	2.114	109.385
57	58	46.872	12.591	1.757	1.444	.986	63.650
58	129	77.690	25.238	4.016	1.554	1.807	110.305

MILLIONS OF CONSTANT FY81 DOLLARS

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
55	35	190.723	20.698	1.428	1.576	2.023	216.449
56	180	400.722	94.754	5.998	5.986	7.979	515.439
57	98	176.847	48.381	3.186	4.742	5.570	238.726
57	130	240.048	64.179	12.311	5.018	6.337	327.893
57	58	140.504	37.743	5.267	4.329	2.956	190.797
58	129	235.996	76.665	12.199	4.721	5.489	335.070
TOTAL	630	1384.840	342.420	40.390	26.371	30.353	1824.374

## F-8A/B/C

F-8A/B/C

FISCAL YEAR LOT AVERAGE COSTS  
(MILLIONS OF CONSTANT FY81 DOLLARS)

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
55	35	5.449	.591	.041	.045	.058	6.184
56	180	2.226	.526	.033	.033	.044	2.864
57	98	1.805	.494	.033	.048	.057	2.436
57	130	1.847	.494	.095	.039	.049	2.522
57	58	2.422	.651	.091	.075	.051	3.290
58	129	1.829	.594	.095	.037	.043	2.597
<b>TOTAL</b>	<b>630</b>	<b>2.198</b>	<b>.544</b>	<b>.064</b>	<b>.042</b>	<b>.048</b>	<b>2.896</b>

CUMULATIVE AVERAGE COSTS  
(MILLIONS OF CONSTANT FY81 DOLLARS)

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
55	35	5.449	.591	.041	.045	.058	6.184
56	215	2.751	.537	.035	.035	.047	3.404
57	313	2.455	.523	.034	.039	.050	3.101
57	443	2.276	.515	.052	.039	.049	2.931
57	501	2.293	.530	.056	.043	.050	2.973
58	630	2.198	.544	.064	.042	.048	2.896

## F-8A/B/C

## UNIT COST CURVES

	CALC SLOPE	CALC FIRST COST	UNIT 100	R2
AIRFRAME	.831	9.558	2.786	.817
AIRFRAME & ENGINE	.854	9.656	3.388	.780
TOTAL FLYAWAY	.862	9.541	3.554	.754

## AIRFRAME

FY	PLOT POINT QUANTITY	FISCAL YEAR AVERAGE COST (ACTUAL, \$M)	FISCAL YEAR AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
55	13	5.449	4.861	.588	10.79
56	110	2.226	2.718	-.492	22.10
57	263	1.805	2.151	-.346	19.17
57	376	1.847	1.954	-.107	5.79
57	472	2.422	1.839	.583	24.07
58	564	1.829	1.753	.076	4.16

## AIRFRAME &amp; ENGINE

FY	PLOT POINT QUANTITY	FISCAL YEAR AVERAGE COST (ACTUAL, \$M)	FISCAL YEAR AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
55	13	5.041	5.415	.626	10.36
56	110	2.753	3.314	-.561	20.38
57	263	2.298	2.720	-.422	18.36
57	376	2.340	2.506	-.166	7.09
57	472	3.073	2.380	.693	22.55
58	564	2.424	2.285	.139	5.73

## TOTAL FLYAWAY

FY	PLOT POINT QUANTITY	FISCAL YEAR AVERAGE COST (ACTUAL, \$M)	FISCAL YEAR AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
55	13	6.184	5.524	.660	10.67
56	110	2.864	3.480	-.616	21.51
57	263	2.436	2.890	-.454	18.54
57	376	2.522	2.675	-.153	6.07
57	472	3.290	2.548	.742	22.55
58	564	2.597	2.453	.144	5.54

F-8A/B/C

F-8A/B/C

## CUMULATIVE AVERAGE COST CURVES

	CALC SLOPE	CALC FIRST COST	CAC(100)	R2
AIRFRAME	.799	16.650	3.746	.978
AIRFRAME & ENGINE	.821	16.014	4.334	.973
TOTAL FLYAWAY	.827	15.746	4.475	.967

## AIRFRAME

FY	CUMULATIVE QUANTITY	CUMULATIVE AVERAGE COST (ACTUAL, \$M)	CUMULATIVE AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
55	35	5.449	5.263	.186	3.41
56	215	2.751	2.923	-.172	6.25
57	313	2.455	2.588	-.133	5.42
57	443	2.276	2.313	-.037	1.63
57	501	2.293	2.222	.071	3.10
58	630	2.198	2.063	.135	6.14

## AIRFRAME &amp; ENGINE

FY	CUMULATIVE QUANTITY	CUMULATIVE AVERAGE COST (ACTUAL, \$M)	CUMULATIVE AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
55	35	6.041	5.838	.203	3.36
56	215	3.288	3.487	-.199	6.05
57	313	2.978	3.135	-.157	5.27
57	443	2.791	2.840	-.049	1.76
57	501	2.824	2.743	.081	2.87
58	630	2.742	2.570	.172	6.27

## TOTAL FLYAWAY

FY	CUMULATIVE QUANTITY	CUMULATIVE AVERAGE COST (ACTUAL, \$M)	CUMULATIVE AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
55	35	6.184	5.961	.223	3.61
56	215	3.404	3.630	-.226	6.64
57	313	3.101	3.276	-.175	5.64
57	443	2.931	2.980	-.049	1.67
57	501	2.973	2.881	.092	3.09
58	630	2.896	2.706	.190	6.56

F-8D/E

F-8D/E

**PHYSICAL AND PERFORMANCE  
CHARACTERISTICS**

MANUFACTURER:	VOUGHT
WING (FIXED/ROTARY):	FIXED
CTOL/VSTOL/STOL/OTHER:	CTOL
AIRFRAME PERFORMANCE:	8.4
AIRCRAFT SYSTEM PERFORMANCE:	8.4
ENGINE NUMBER:	J57-P-20
NUMBER OF ENGINES:	1
SERVICE:	NAVY

## F-8D/E

TOTAL OBLIGATIONAL AUTHORITY  
(MILLIONS OF THEN-YEAR DOLLARS)

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
58	38	45.076	8.243	5.413	.860	.609	60.201
59	30	20.280	6.417	4.793	.992	.606	33.088
60	84	56.784	19.159	12.156	2.312	1.572	91.983
61	94	66.590	20.060	11.822	2.404	.835	101.711
62	102	62.222	22.151	14.954	2.831	1.516	103.674
63	90	53.553	20.599	7.517	2.315	1.434	85.418

## MILLIONS OF CONSTANT FY81 DOLLARS

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
58	38	136.926	25.039	16.443	2.612	1.850	182.871
59	30	62.037	19.630	14.662	3.035	1.854	101.217
60	84	172.911	58.340	37.016	7.040	4.787	280.094
61	94	203.080	61.177	36.054	7.332	2.547	310.189
62	102	190.748	67.906	45.843	8.679	4.647	317.823
63	90	161.987	62.308	22.737	7.002	4.338	258.373
TOTAL	438	927.690	294.401	172.755	35.700	20.022	1450.568

F-8D/E

F-8D/E

FISCAL YEAR LOT AVERAGE COSTS  
(MILLIONS OF CONSTANT FY81 DOLLARS)

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
58	38	3.603	.659	.433	.069	.049	4.812
59	30	2.068	.654	.489	.101	.062	3.374
60	84	2.058	.695	.441	.084	.057	3.334
61	94	2.160	.651	.384	.078	.027	3.300
62	102	1.870	.666	.449	.085	.046	3.116
63	90	1.800	.692	.253	.078	.048	2.871
<b>TOTAL</b>	<b>438</b>	<b>2.118</b>	<b>.672</b>	<b>.394</b>	<b>.082</b>	<b>.046</b>	<b>3.312</b>

CUMULATIVE AVERAGE COSTS  
(MILLIONS OF CONSTANT FY81 DOLLARS)

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
58	38	3.603	.659	.433	.069	.049	4.812
59	68	2.926	.657	.457	.083	.054	4.178
60	152	2.447	.678	.448	.083	.056	3.712
61	246	2.337	.667	.423	.081	.045	3.554
62	348	2.200	.667	.431	.082	.045	3.426
63	438	2.118	.672	.394	.082	.046	3.312

F-8D/E

## UNIT COST CURVES

	CALC SLOPE	CALC FIRST COST	UNIT 100	R2
AIRFRAME	.882	5,132	2,233	.792
AIRFRAME & ENGINE	.907	5,597	2,919	.779
TOTAL FLYAWAY	.912	6,415	3,466	.865

## AIRFRAME

FY	PLOT POINT QUANTITY	FISCAL YEAR AVERAGE COST (ACTUAL, \$M)	FISCAL YEAR AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
58	14	3,603	3,186	.417	11.57
59	53	2,068	2,508	-.440	21.28
60	107	2,058	2,205	-.147	7.14
61	197	2,160	1,975	.185	8.56
62	296	1,870	1,836	.034	1.82
63	392	1,800	1,745	.055	3.06

## AIRFRAME &amp; ENGINE

FY	PLOT POINT QUANTITY	FISCAL YEAR AVERAGE COST (ACTUAL, \$M)	FISCAL YEAR AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
58	14	4,262	3,846	.416	9.76
59	53	2,722	3,195	-.474	17.41
60	107	2,753	2,890	-.137	4.98
61	197	2,811	2,652	.159	5.66
62	296	2,536	2,504	.032	1.26
63	392	2,492	2,406	.086	3.45

## TOTAL FLYAWAY

FY	PLOT POINT QUANTITY	FISCAL YEAR AVERAGE COST (ACTUAL, \$M)	FISCAL YEAR AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
58	14	4,812	4,497	.315	6.55
59	53	3,374	3,776	-.402	11.91
60	107	3,334	3,434	-.100	3.00
61	197	3,300	3,165	.135	4.09
62	296	3,116	2,999	.117	3.75
63	392	2,871	2,887	-.016	.56

F-8D/E

F-8D/E

## CUMULATIVE AVERAGE COST CURVES

	CALC SLOPE	CALC FIRST COST	CAC(100)	R2
AIRFRAME	.867	7.274	2.808	.964
AIRFRAME & ENGINE	.892	7.426	3.483	.960
TOTAL FLYAWAY	.904	7.906	4.055	.973

## AIRFRAME

FY	CUMULATIVE QUANTITY	CUMULATIVE AVERAGE COST (ACTUAL, \$M)	CUMULATIVE AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
58	38	3.603	3.429	.174	4.83
59	68	2.926	3.041	-.115	3.93
60	152	2.447	2.575	-.128	5.23
61	246	2.337	2.331	.006	.26
62	348	2.200	2.170	.030	1.36
63	438	2.118	2.069	.049	2.31

## AIRFRAME &amp; ENGINE

FY	CUMULATIVE QUANTITY	CUMULATIVE AVERAGE COST (ACTUAL, \$M)	CUMULATIVE AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
58	38	4.262	4.083	.179	4.20
59	68	3.583	3.711	-.128	3.57
60	152	3.124	3.251	-.127	4.07
61	246	3.005	3.004	.001	.03
62	348	2.867	2.837	.030	1.05
63	438	2.790	2.732	.058	2.08

## TOTAL FLYAWAY

FY	CUMULATIVE QUANTITY	CUMULATIVE AVERAGE COST (ACTUAL, \$M)	CUMULATIVE AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
58	38	4.812	4.666	.146	3.03
59	68	4.178	4.288	-.110	2.63
60	152	3.712	3.816	-.104	2.80
61	246	3.554	3.559	-.004	.14
62	348	3.426	3.384	.042	1.23
63	438	3.312	3.273	.039	1.18

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F-9F

PHYSICAL AND PERFORMANCE  
CHARACTERISTICS

MANUFACTURER:	GRUMMAN
WING (FIXED/ROTARY):	FIXED
CTOL/VSTOL/STOL/OTHER:	CTOL
AIRFRAME PERFORMANCE:	5.0
AIRCRAFT SYSTEM PERFORMANCE:	4.19
ENGINE NUMBER:	J48-P-8
NUMBER OF ENGINES:	1
SERVICE:	NAVY

## F-9F

TOTAL OBLIGATIONAL AUTHORITY  
(MILLIONS OF THEN-YEAR DOLLARS)

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
51	116	22.262	6.547	1.224	.220	1.342	31.595
52	143	29.905	8.270	1.333	.208	1.294	41.010

## MILLIONS OF CONSTANT FY81 DOLLARS

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
51	116	76.423	22.475	4.202	.755	4.607	108.462
52	143	102.696	28.400	4.578	.714	4.444	140.831
<b>TOTAL</b>	<b>259</b>	<b>179.119</b>	<b>50.875</b>	<b>8.779</b>	<b>1.470</b>	<b>9.051</b>	<b>249.293</b>

FISCAL YEAR LOT AVERAGE COSTS  
(MILLIONS OF CONSTANT FY81 DOLLARS)

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
51	116	.659	.194	.036	.007	.040	.935
52	143	.718	.199	.032	.005	.031	.985
<b>TOTAL</b>	<b>259</b>	<b>.692</b>	<b>.196</b>	<b>.034</b>	<b>.006</b>	<b>.035</b>	<b>.963</b>

CUMULATIVE AVERAGE COSTS  
(MILLIONS OF CONSTANT FY81 DOLLARS)

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
51	116	.659	.194	.036	.007	.040	.935
52	259	.692	.196	.034	.006	.035	.963

F-9H

F-9H

**PHYSICAL AND PERFORMANCE  
CHARACTERISTICS**

MANUFACTURER: GRUMMAN  
WING (FIXED/ROTARY): FIXED  
CTOL/VSTOL/STOL/OTHER: CTOL  
AIRFRAME PERFORMANCE: 5.0  
AIRCRAFT SYSTEM PERFORMANCE: 4.19  
ENGINE NUMBER: J48-P-8  
NUMBER OF ENGINES: 1  
SERVICE: NAVY

## F-9H

TOTAL OBLIGATIONAL AUTHORITY  
(MILLIONS OF THEN-YEAR DOLLARS)

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
52	143	29.905	4.815	1.333	.207	1.294	37.554

## MILLIONS OF CONSTANT FY81 DOLLARS

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
52	143	102.696	16.535	4.578	.711	4.444	128.963
<b>TOTAL</b>	<b>143</b>	<b>102.696</b>	<b>16.535</b>	<b>4.578</b>	<b>.711</b>	<b>4.444</b>	<b>128.963</b>

FISCAL YEAR LOT AVERAGE COSTS  
(MILLIONS OF CONSTANT FY81 DOLLARS)

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
52	143	.718	.116	.032	.005	.031	.902
<b>TOTAL</b>	<b>143</b>	<b>.718</b>	<b>.116</b>	<b>.032</b>	<b>.005</b>	<b>.031</b>	<b>.902</b>

CUMULATIVE AVERAGE COSTS  
(MILLIONS OF CONSTANT FY81 DOLLARS)

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
52	143	.718	.116	.032	.005	.031	.902

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F-9J

**PHYSICAL AND PERFORMANCE  
CHARACTERISTICS**

MANUFACTURER: GRUMMAN  
WING (FIXED/ROTARY): FIXED  
CTOL/VSTOL/STOL/OTHER: CTOL  
AIRFRAME PERFORMANCE: 4.72  
AIRCRAFT SYSTEM PERFORMANCE: 4.02  
ENGINE NUMBER: J48-P-8A  
NUMBER OF ENGINES: 1  
SERVICE: NAVY

**TOTAL OBLIGATIONAL AUTHORITY  
(MILLIONS OF THEN-YEAR DOLLARS)**

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
55	77	17,450	4,930	.975	.470	1,030	24,855
56	108	22,037	6,752	1,221	.730	1,238	31,978

**MILLIONS OF CONSTANT FY81 DOLLARS**

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
55	77	54,891	15,508	3,067	1,478	3,240	78,185
56	108	66,557	20,393	3,688	2,205	3,739	96,581
<b>TOTAL</b>	<b>185</b>	<b>121,448</b>	<b>35,901</b>	<b>6,755</b>	<b>3,683</b>	<b>6,979</b>	<b>174,766</b>

**FISCAL YEAR LOT AVERAGE COSTS  
(MILLIONS OF CONSTANT FY81 DOLLARS)**

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
55	77	.713	.201	.040	.019	.042	1,015
56	108	.616	.189	.034	.020	.035	.894
<b>TOTAL</b>	<b>185</b>	<b>.656</b>	<b>.194</b>	<b>.037</b>	<b>.020</b>	<b>.038</b>	<b>.945</b>

**CUMULATIVE AVERAGE COSTS  
(MILLIONS OF CONSTANT FY81 DOLLARS)**

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
55	77	.713	.201	.040	.019	.042	1,015
56	185	.656	.194	.037	.020	.038	.945

F-9F/H

F-9F/H

PHYSICAL AND PERFORMANCE  
CHARACTERISTICS

MANUFACTURER:	GRUMMAN
WING (FIXED/ROTARY):	FIXED
CTOL/VSTOL/STOL/OTHER:	CTOL
AIRFRAME PERFORMANCE:	5.0
AIRCRAFT SYSTEM PERFORMANCE:	4.19
ENGINE NUMBER:	J48-P-8
NUMBER OF ENGINES:	1
SERVICE:	NAVY

F-9F/H

TOTAL OBLIGATIONAL AUTHORITY  
(MILLIONS OF THEN-YEAR DOLLARS)

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
51	116	22.262	6.547	1.224	.220	1.342	31.595
52	143	29.905	8.270	1.333	.208	1.294	41.010
52	143	29.905	4.815	1.333	.207	1.294	37.554

MILLIONS OF CONSTANT FY81 DOLLARS

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
51	116	76.423	22.475	4.202	.755	4.607	108.462
52	143	102.696	28.400	4.578	.714	4.444	140.831
52	143	102.696	16.535	4.578	.711	4.444	128.963
<b>TOTAL</b>	<b>402</b>	<b>281.814</b>	<b>67.410</b>	<b>13.357</b>	<b>2.180</b>	<b>13.494</b>	<b>378.256</b>

FISCAL YEAR LOT AVERAGE COSTS  
(MILLIONS OF CONSTANT FY81 DOLLARS)

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
51	116	.659	.194	.036	.007	.040	.935
52	143	.718	.199	.032	.005	.031	.985
52	143	.718	.116	.032	.005	.031	.902
<b>TOTAL</b>	<b>402</b>	<b>.701</b>	<b>.168</b>	<b>.033</b>	<b>.005</b>	<b>.034</b>	<b>.941</b>

CUMULATIVE AVERAGE COSTS  
(MILLIONS OF CONSTANT FY81 DOLLARS)

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
51	116	.659	.194	.036	.007	.040	.935
52	259	.692	.196	.034	.006	.035	.963
52	402	.701	.168	.033	.005	.034	.941

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F-9F/H

## UNIT COST CURVES

	CALC SLOPE	CALC FIRST COST	UNIT 100	R2
AIRFRAME	1.033	.554	.687	.919
AIRFRAME & ENGINE	1.000	.865	.867	.000
TOTAL FLYAWAY	.995	.976	.942	.033

## AIRFRAME

FY	PLOT POINT QUANTITY	FISCAL YEAR AVERAGE COST (ACTUAL, \$M)	FISCAL YEAR AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
51	45	.659	.662	-.002	.46
52	184	.718	.707	.011	1.53
52	329	.718	.726	-.007	1.11

## AIRFRAME &amp; ENGINE

FY	PLOT POINT QUANTITY	FISCAL YEAR AVERAGE COST (ACTUAL, \$M)	FISCAL YEAR AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
51	44	.853	.866	-.013	1.52
52	183	.917	.867	.050	5.45
52	328	.834	.867	-.033	3.96

## TOTAL FLYAWAY

FY	PLOT POINT QUANTITY	FISCAL YEAR AVERAGE COST (ACTUAL, \$M)	FISCAL YEAR AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
51	44	.935	.948	-.013	1.39
52	183	.985	.938	.047	4.77
52	328	.902	.934	-.032	3.55

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CUMULATIVE AVERAGE COST CURVES

	CALC SLOPE	CALC FIRST COST	CAC(100)	R2
AIRFRAME	1.036	.517	.655	--
AIRFRAME & ENGINE	1.014	.782	.856	.979
TOTAL FLYAWAY	1.006	.902	.939	.362 .135

AIRFRAME

FY	CUMULATIVE QUANTITY	CUMULATIVE AVERAGE COST (ACTUAL, \$M)	CUMULATIVE AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
51	116	.659	.660	.000	.15
52	259	.692	.688	.004	.58
52	402	.701	.703	-.001	.29

AIRFRAME & ENGINE

FY	CUMULATIVE QUANTITY	CUMULATIVE AVERAGE COST (ACTUAL, \$M)	CUMULATIVE AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
51	116	.853	.858	-.004	.59
52	259	.888	.872	.016	1.80
52	402	.869	.879	-.010	1.15

TOTAL FLYAWAY

FY	CUMULATIVE QUANTITY	CUMULATIVE AVERAGE COST (ACTUAL, \$M)	CUMULATIVE AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
51	116	.935	.940	-.004	.53
52	259	.963	.947	.016	1.66
52	402	.941	.951	-.009	1.06

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PHYSICAL AND PERFORMANCE  
CHARACTERISTICS

MANUFACTURER:	GRUMMAN
WING (FIXED/ROTARY):	FIXED
CTOL/VSTOL/STOL/OTHER:	CTOL
AIRFRAME PERFORMANCE:	6.35
AIRCRAFT SYSTEM PERFORMANCE:	5.80
ENGINE NUMBER:	J65-W-18
NUMBER OF ENGINES:	1
SERVICE:	NAVY

## F-11A

TOTAL OBLIGATIONAL AUTHORITY  
(MILLIONS OF THEN-YEAR DOLLARS)

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
53	42	81.471	5.843	.768	.089	1.170	89.341
55	157	103.851	16.411	2.315	2.386	3.455	128.418

## MILLIONS OF CONSTANT FY81 DOLLARS

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
53	42	276.548	19.834	2.607	.302	3.971	303.262
55	157	326.678	51.623	7.282	7.506	10.868	403.957
<b>TOTAL</b>	<b>199</b>	<b>603.226</b>	<b>71.457</b>	<b>9.889</b>	<b>7.808</b>	<b>14.840</b>	<b>707.219</b>

FISCAL YEAR LOT AVERAGE COSTS  
(MILLIONS OF CONSTANT FY81 DOLLARS)

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
53	42	6.584	.472	.062	.007	.095	7.221
55	157	2.081	.329	.046	.048	.069	2.573
<b>TOTAL</b>	<b>199</b>	<b>3.031</b>	<b>.359</b>	<b>.050</b>	<b>.039</b>	<b>.075</b>	<b>3.554</b>

CUMULATIVE AVERAGE COSTS  
(MILLIONS OF CONSTANT FY81 DOLLARS)

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
53	42	6.584	.472	.062	.007	.095	7.221
55	199	3.031	.359	.050	.039	.075	3.554

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PHYSICAL AND PERFORMANCE  
CHARACTERISTICS

MANUFACTURER: GRUMMAN  
WING (FIXED/ROTARY): FIXED  
CTOL/VSTOL/STOL/OTHER: CTOL  
AIRFRAME PERFORMANCE: 14.44  
AIRCRAFT SYSTEM PERFORMANCE: 31.51  
ENGINE NUMBER: TF30-P-412  
NUMBER OF ENGINES: 2  
SERVICE: NAVY

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TOTAL OBLIGATIONAL AUTHORITY  
(MILLIONS OF THEN-YEAR DOLLARS)

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
71	26	222.750	65.127	99.038	1.340	1.020	416.075
72	48	253.981	104.256	134.736	2.933	1.891	497.797
73	48	219.702	89.089	108.716	.944	1.939	420.390
74	50	332.526	90.532	111.131	1.100	2.240	537.529
75	50	364.420	104.505	96.251	1.267	2.021	569.464
76	36	288.828	80.775	69.252	1.037	1.945	441.837
77	9	79.472	20.194	17.313	.259	.486	118.400
77	36	343.737	93.028	81.851	.957	2.270	529.304
78	44	454.603	119.330	103.876	.406	3.148	681.863
79	36	444.640	111.308	127.086	.262	2.881	696.231
80	30	434.718	117.213	86.082	.512	3.567	645.458
81	30	504.876	146.308	132.302	1.497	3.907	804.385
82	30	582.318	171.490	136.382	1.553	4.288	901.577

## MILLIONS OF CONSTANT FY81 DOLLARS

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
71	26	466.981	136.535	207.627	2.809	2.138	872.275
72	48	501.840	205.999	266.224	5.795	3.736	983.594
73	48	382.689	155.180	189.368	1.644	3.377	732.259
74	50	547.909	149.171	183.113	1.812	3.691	885.696
75	50	562.116	161.199	148.467	1.954	3.117	878.396
76	36	415.401	116.173	99.600	1.491	2.797	635.462
77	9	102.770	26.114	22.388	.335	.628	153.110
77	36	442.960	119.881	105.478	1.233	2.925	682.093
78	44	532.011	139.649	121.563	.475	3.684	797.967
79	36	460.815	115.357	131.709	.272	2.986	721.558
80	30	408.033	110.018	80.798	.481	3.442	603.940
81	30	429.243	124.390	112.483	1.273	3.322	683.885
82	30	460.840	135.715	107.931	1.229	3.393	713.340
TOTAL	473	5713.608	1695.381	1776.749	20.804	39.239	9343.575

'7T' = TRANSITION QUARTER DATA

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FISCAL YEAR LOT AVERAGE COSTS  
(MILLIONS OF CONSTANT FY81 DOLLARS)

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
71	26	17.961	5.251	7.986	.108	.082	33.549
72	48	10.455	4.292	5.546	.121	.078	20.492
73	48	7.973	3.233	3.945	.034	.070	15.255
74	50	10.958	2.983	3.662	.036	.074	17.714
75	50	11.242	3.224	2.969	.039	.062	17.568
76	36	11.539	3.227	2.767	.041	.078	17.652
7T	9	11.419	2.902	2.488	.037	.070	17.012
77	36	12.304	3.330	2.930	.034	.081	18.947
78	44	12.091	3.174	2.763	.011	.084	18.136
79	36	12.800	3.204	3.659	.008	.083	20.043
80	30	13.601	3.667	2.693	.016	.115	20.131
81	30	14.308	4.146	3.749	.042	.111	22.796
82	30	15.361	4.524	3.598	.041	.113	23.778
TOTAL	473	12.080	3.584	3.756	.044	.083	19.754

CUMULATIVE AVERAGE COSTS  
(MILLIONS OF CONSTANT FY81 DOLLARS)

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
71	26	17.961	5.251	7.986	.108	.082	33.549
72	74	13.092	4.629	6.403	.116	.079	25.079
73	122	11.078	4.080	5.436	.084	.076	21.214
74	172	11.043	3.761	4.921	.070	.075	20.197
75	222	11.088	3.640	4.481	.063	.072	19.605
76	258	11.151	3.582	4.242	.060	.073	19.332
7T	267	11.160	3.559	4.183	.059	.073	19.254
77	303	11.296	3.532	4.034	.056	.074	19.217
78	347	11.397	3.487	3.873	.051	.075	19.080
79	383	11.529	3.460	3.853	.047	.076	19.171
80	413	11.679	3.475	3.768	.044	.079	19.241
81	443	11.857	3.521	3.767	.044	.081	19.481
82	473	12.080	3.584	3.756	.044	.083	19.754

'7T' = TRANSITION QUARTER DATA

## UNIT COST CURVES

	CALC SLOPE	CALC FIRST COST	UNIT 100	R2
AIRFRAME	.990	13.155	12.342	.006
AIRFRAME & ENGINE	.979	18.632	16.140	.034
TOTAL FLYAWAY	.940	31.455	20.913	.231

## AIRFRAME

FY	PLOT POINT QUANTITY	FISCAL YEAR AVERAGE COST (ACTUAL, \$M)	FISCAL YEAR AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
71	11	17.961	12.733	5.228	29.11
72	48	10.455	12.466	-2.011	19.23
73	97	7.973	12.346	-4.373	54.85
74	147	10.958	12.276	-1.318	12.03
75	197	11.242	12.226	-.984	8.75
76	240	11.539	12.192	-.653	5.66
77	263	11.419	12.177	-.758	6.64
78	285	12.304	12.163	.141	1.15
79	325	12.091	12.141	-.050	.41
80	365	12.800	12.122	.678	5.30
81	398	13.601	12.107	1.494	10.98
82	428	14.308	12.095	2.213	15.47
	458	15.361	12.084	3.277	21.33

## AIRFRAME &amp; ENGINE

FY	PLOT POINT QUANTITY	FISCAL YEAR AVERAGE COST (ACTUAL, \$M)	FISCAL YEAR AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
71	10	23.212	17.318	5.894	25.39
72	48	14.747	16.509	-1.762	11.95
73	97	11.206	16.153	-4.947	44.15
74	147	13.942	15.948	-2.006	14.39
75	197	14.466	15.803	-1.337	9.24
76	240	14.766	15.705	-.939	6.36
77	263	14.320	15.661	-1.341	9.36
78	285	15.634	15.621	.013	.08
79	325	15.265	15.558	-.293	1.92
80	365	16.005	15.501	.504	3.15
81	398	17.268	15.460	1.808	10.47
82	428	18.454	15.425	3.029	16.41
	458	19.885	15.392	4.493	22.59

## TOTAL FLYAWAY

FY	PLOT POINT QUANTITY	FISCAL YEAR AVERAGE COST (ACTUAL, \$M)	FISCAL YEAR AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
71	10	33.549	25.596	7.953	23.71
72	48	20.492	22.306	-1.814	8.85
73	97	15.255	20.962	-5.707	37.41
74	147	17.714	20.214	-2.500	14.11
75	197	17.568	19.694	-2.126	12.10
76	240	17.652	19.350	-1.698	9.62
77	263	17.012	19.195	-2.183	12.83
78	285	18.947	19.057	-.110	.58
79	325	18.136	18.837	-.701	3.87
79	365	20.043	18.644	1.399	6.98
80	398	20.131	18.502	1.629	8.09
81	428	22.796	18.383	4.413	19.36
82	458	23.778	18.273	5.505	23.15

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## CUMULATIVE AVERAGE COST CURVES

	CALC SLOPE	CALC FIRST COST	CAC(100)	R2
AIRFRAME	.920	22.807	13.082	.579
AIRFRAME & ENGINE	.915	31.231	17.333	.698
TOTAL FLYAWAY	.882	54.936	23.901	.866

## AIRFRAME

FY	CUMULATIVE QUANTITY	CUMULATIVE AVERAGE COST (ACTUAL, \$M)	CUMULATIVE AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
71	26	17.961	15.391	2.570	14.31
72	74	13.092	13.566	-.474	3.62
73	122	11.078	12.771	-1.693	15.28
74	172	11.043	12.253	-1.210	10.96
75	222	11.088	11.881	-.793	7.15
76	258	11.151	11.668	-.517	4.64
77	267	11.160	11.619	-.459	4.11
78	303	11.296	11.443	-.147	1.30
79	347	11.397	11.258	.139	1.22
80	383	11.529	11.124	.405	3.51
81	413	11.679	11.023	.656	5.62
82	443	11.857	10.931	.926	7.81
	473	12.080	10.844	1.236	10.23

## AIRFRAME &amp; ENGINE

FY	CUMULATIVE QUANTITY	CUMULATIVE AVERAGE COST (ACTUAL, \$M)	CUMULATIVE AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
71	26	23.212	20.591	2.621	11.29
72	74	17.721	18.013	-.292	1.65
73	122	15.158	16.898	-1.740	11.48
74	172	14.804	16.172	-1.368	9.24
75	222	14.728	15.653	-.925	6.28
76	258	14.733	15.355	-.622	4.22
77	267	14.719	15.288	-.569	3.87
78	303	14.828	15.043	-.215	1.45
79	347	14.884	14.784	.100	.67
80	383	14.989	14.599	.390	2.60
81	413	15.154	14.459	.695	4.59
82	443	15.378	14.330	1.048	6.81
	473	15.664	14.210	1.454	9.28

## TOTAL FLYAWAY

FY	CUMULATIVE QUANTITY	CUMULATIVE AVERAGE COST (ACTUAL, \$M)	CUMULATIVE AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
71	26	33.549	30.489	3.060	9.12
72	74	25.079	25.238	-.159	.63
73	122	21.214	23.058	-1.844	8.69
74	172	20.197	21.670	-1.473	7.29
75	222	19.605	20.693	-1.088	5.55
76	258	19.332	20.139	-.807	4.17
77	267	19.254	20.014	-.760	3.95
78	303	19.217	19.562	-.345	1.80
79	347	19.080	19.089	-.008	.05
80	383	19.171	18.751	.420	2.19
81	413	19.241	18.497	.744	3.87
82	443	19.481	18.264	1.217	6.25
	473	19.754	18.049	1.705	9.63

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**PHYSICAL AND PERFORMANCE  
CHARACTERISTICS**

MANUFACTURER:	MCDONNELL DOUGLAS
WING (FIXED/ROTARY):	FIXED
CTOL/VSTOL/STOL/OTHER:	CTOL
AIRFRAME PERFORMANCE:	12.11
AIRCRAFT SYSTEM PERFORMANCE:	16.14
ENGINE NUMBER:	F100-PW-100
NUMBER OF ENGINES:	2
SERVICE:	AIR FORCE

## F-15A

TOTAL OBLIGATIONAL AUTHORITY  
(MILLIONS OF THEN-YEAR DOLLARS)

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
73	30	213.900	95.300	53.300	8.900	2.800	378.800
74	62	343.600	191.300	114.700	14.700	4.900	693.400
75	72	378.700	229.300	108.700	15.800	10.300	745.500
76	108	584.000	340.100	234.300	32.300	11.800	1223.400
77T	24	133.700	77.700	45.500	7.400	2.900	276.600
77	108	658.200	347.000	199.800	10.700	11.600	1239.600
78	97	680.843	332.128	232.703	10.476	33.853	1297.400
79	78	586.638	292.266	211.302	8.814	29.952	1130.800

## MILLIONS OF CONSTANT FY81 DOLLARS

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
73	30	380.808	169.664	94.891	15.845	4.985	674.381
74	62	560.339	311.970	187.052	23.973	7.991	1130.789
75	72	573.267	347.109	164.547	23.918	15.592	1128.520
76	108	824.393	480.096	330.745	45.596	16.657	1726.990
77T	24	179.367	104.239	61.041	9.928	3.891	371.076
77	108	833.165	439.241	252.911	13.544	14.684	1569.114
78	97	784.653	382.768	268.184	12.073	39.015	1495.217
79	78	602.731	300.284	217.099	9.056	30.774	1161.821
TOTAL	579	4738.722	2535.370	1576.469	153.932	133.587	9257.908

'77T' = TRANSITION QUARTER DATA

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FISCAL YEAR LOT AVERAGE COSTS  
(MILLIONS OF CONSTANT FY81 DOLLARS)

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
--	--	-----	-----	-----	-----	-----	-----
73	30	12.694	5.655	3.163	.528	.166	22.479
74	62	9.038	5.032	3.017	.387	.129	18.239
75	72	7.962	4.821	2.285	.332	.217	15.674
76	108	7.633	4.445	3.062	.422	.154	15.991
7T	24	7.474	4.343	2.543	.414	.162	15.461
77	108	7.714	4.067	2.342	.125	.136	14.529
78	97	8.089	3.946	2.765	.124	.402	15.415
79	78	7.727	3.850	2.783	.116	.395	14.895
TOTAL	579	8.184	4.379	2.723	.266	.231	15.989

CUMULATIVE AVERAGE COSTS  
(MILLIONS OF CONSTANT FY81 DOLLARS)

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
--	--	-----	-----	-----	-----	-----	-----
73	30	12.694	5.655	3.163	.528	.166	22.479
74	92	10.230	5.235	3.065	.433	.141	19.621
75	164	9.234	5.053	2.722	.389	.174	17.888
76	272	8.599	4.812	2.857	.402	.166	17.135
7T	296	8.507	4.774	2.832	.403	.166	16.999
77	404	8.295	4.585	2.701	.329	.158	16.339
78	501	8.255	4.461	2.713	.289	.205	16.160
79	579	8.184	4.379	2.723	.266	.231	15.989

'7T' = TRANSITION QUARTER DATA

## F-15A

## UNIT COST CURVES

	CALC SLOPE	CALC FIRST COST	UNIT 100	R2
AIRFRAME	.917	15.898	8.929	.837
AIRFRAME & ENGINE	.922	23.427	13.652	.944
TOTAL FLYAWAY	.928	28.366	17.287	.923

## AIRFRAME

FY	PLOT POINT QUANTITY	FISCAL YEAR AVERAGE COST (ACTUAL, \$M)	FISCAL YEAR AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
73	12	12.694	11.707	.987	7.78
74	58	9.058	9.552	-.514	5.69
75	127	7.962	8.569	-.707	9.88
76	216	7.633	8.108	-.475	5.22
77	284	7.474	7.833	-.359	4.80
78	349	7.714	7.635	.079	1.02
79	452	8.089	7.392	.697	8.62
	539	7.727	7.229	.498	6.44

## AIRFRAME &amp; ENGINE

FY	PLOT POINT QUANTITY	FISCAL YEAR AVERAGE COST (ACTUAL, \$M)	FISCAL YEAR AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
73	12	18.349	17.586	.763	4.16
74	58	14.070	14.541	-.471	3.35
75	127	12.783	13.280	-.497	3.89
76	216	12.079	12.474	-.395	3.27
77	284	11.817	12.078	-.261	2.21
78	349	11.782	11.791	-.008	.08
79	452	12.035	11.439	.596	4.95
	539	11.577	11.203	.374	3.23

## TOTAL FLYAWAY

FY	PLOT POINT QUANTITY	FISCAL YEAR AVERAGE COST (ACTUAL, \$M)	FISCAL YEAR AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
73	12	22.479	21.797	.682	3.03
74	58	18.239	18.316	-.077	.42
75	127	15.674	16.854	-1.180	7.53
76	216	15.991	15.913	.078	.49
77	284	15.461	15.449	.012	.08
78	349	14.529	15.113	-.584	4.02
79	452	15.415	14.698	.717	4.65
	539	14.895	14.420	.475	3.19

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## CUMULATIVE AVERAGE COST CURVES

	CALC SLOPE	FIRST COST	CAC(100)	R2
AIRFRAME	.901	20.461	10.252	--
AIRFRAME & ENGINE	.915	27.932	15.446	.966
TOTAL FLYAWAY	.922	33.166	19.356	.988

## AIRFRAME

FY	CUMULATIVE QUANTITY	CUMULATIVE AVERAGE COST (ACTUAL, \$M)	CUMULATIVE AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
73	30	12.694	12.282	.412	3.25
74	92	10.230	10.381	-.151	1.48
75	164	9.234	9.518	-.284	3.08
76	272	8.599	8.822	-.223	2.59
77	296	8.507	8.711	-.204	2.40
77	404	8.295	8.314	-.019	.23
78	501	8.255	8.050	.205	2.48
79	579	8.184	7.877	.307	3.75

## AIRFRAME &amp; ENGINE

FY	CUMULATIVE QUANTITY	CUMULATIVE AVERAGE COST (ACTUAL, \$M)	CUMULATIVE AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
73	30	18.349	18.033	.316	1.72
74	92	15.465	15.612	-.147	.95
75	164	14.288	14.493	-.205	1.43
76	272	13.410	13.580	-.170	1.27
77	296	13.281	13.433	-.152	1.14
77	404	12.880	12.906	-.026	.20
78	501	12.717	12.554	.163	1.28
79	579	12.563	12.322	.241	1.92

## TOTAL FLYAWAY

FY	CUMULATIVE QUANTITY	CUMULATIVE AVERAGE COST (ACTUAL, \$M)	CUMULATIVE AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
73	30	22.479	22.282	.197	.88
74	92	19.621	19.546	.075	.38
75	164	17.988	18.268	-.380	2.12
76	272	17.135	17.218	-.083	.48
77	296	16.999	17.049	-.050	.29
77	404	16.339	16.440	-.101	.62
78	501	16.160	16.031	.129	.80
79	579	15.989	15.762	.227	1.42

'7T' = TRANSITION QUARTER DATA

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**PHYSICAL AND PERFORMANCE  
CHARACTERISTICS**

MANUFACTURER:	GENERAL DYNAMICS
WING (FIXED/ROTARY):	FIXED
CTOL/VSTOL/STOL/OTHER:	CTOL
AIRFRAME PERFORMANCE:	11.56
AIRCRAFT SYSTEM PERFORMANCE:	15.69
ENGINE NUMBER:	F100-PW-100
NUMBER OF ENGINES:	1
SERVICE:	AIR FORCE

## F-16A

**TOTAL OBLIGATIONAL AUTHORITY  
(MILLIONS OF THEN-YEAR DOLLARS)**

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
--	--	-----	-----	-----	-----	-----	-----
78	105	379.400	191.500	171.200	32.700	33.800	902.700
79	145	420.400	256.400	184.900	39.400	25.000	973.900
80	175	622.400	408.000	205.000	57.100	22.900	1396.700
81	180	694.200	488.200	223.500	72.800	31.000	1586.100
82	120	522.500	329.000	191.200	51.400	40.900	1178.700

**MILLIONS OF CONSTANT FY81 DOLLARS**

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
--	--	-----	-----	-----	-----	-----	-----
78	105	437.248	220.698	197.303	37.686	38.954	1040.337
79	145	431.933	263.434	189.972	40.481	25.686	1000.616
80	175	585.513	383.819	192.850	53.716	21.543	1315.923
81	180	587.310	413.029	189.086	61.591	26.227	1341.878
82	120	413.632	260.450	151.362	40.690	32.378	933.106
<b>TOTAL</b>	<b>725</b>	<b>2455.635</b>	<b>1541.430</b>	<b>920.574</b>	<b>234.163</b>	<b>144.787</b>	<b>5629.860</b>

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## F-16A

FISCAL YEAR LOT AVERAGE COSTS  
(MILLIONS OF CONSTANT FY81 DOLLARS)

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
78	105	4.164	2.102	1.879	.359	.371	9.908
79	145	2.979	1.817	1.310	.279	.177	6.901
80	175	3.346	2.193	1.102	.307	.123	7.508
81	180	3.263	2.295	1.050	.342	.146	7.455
82	120	3.447	2.170	1.261	.339	.270	7.776
<b>TOTAL</b>	<b>725</b>	<b>3.387</b>	<b>2.126</b>	<b>1.270</b>	<b>.323</b>	<b>.200</b>	<b>7.765</b>

CUMULATIVE AVERAGE COSTS  
(MILLIONS OF CONSTANT FY81 DOLLARS)

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
78	105	4.164	2.102	1.879	.359	.371	9.908
79	250	3.477	1.937	1.549	.313	.259	8.164
80	425	3.423	2.042	1.365	.310	.203	7.894
81	605	3.375	2.117	1.271	.320	.186	7.763
82	725	3.387	2.126	1.270	.323	.200	7.765

## F-16A

## UNIT COST CURVES

	CALC SLOPE	CALC FIRST COST	UNIT 100	R2
AIRFRAME	.954	4.948	3.624	.389
AIRFRAME & ENGINE	.979	6.565	5.687	.137
TOTAL FLYAWAY	.942	12.579	8.454	.512

## AIRFRAME

FY	PLOT POINT QUANTITY	FISCAL YEAR AVERAGE COST (ACTUAL, \$M)	FISCAL YEAR AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
--					
78	39	4.164	3.865	.299	7.18
79	173	2.979	3.493	-.514	17.25
80	334	3.346	3.341	.005	.15
81	512	3.263	3.245	.018	.55
82	664	3.447	3.189	.258	7.48

## AIRFRAME &amp; ENGINE

FY	PLOT POINT QUANTITY	FISCAL YEAR AVERAGE COST (ACTUAL, \$M)	FISCAL YEAR AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
--					
78	39	6.266	5.855	.411	6.56
79	173	4.796	5.591	-.795	16.58
80	334	5.539	5.477	.062	1.12
81	512	5.557	5.405	.152	2.74
82	664	5.617	5.361	.256	4.56

## TOTAL FLYAWAY

FY	PLOT POINT QUANTITY	FISCAL YEAR AVERAGE COST (ACTUAL, \$M)	FISCAL YEAR AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
--					
78	38	9.908	9.184	.724	7.31
79	172	6.901	8.066	-1.165	16.88
80	334	7.508	7.619	-.111	1.48
81	512	7.455	7.342	.113	1.52
82	664	7.776	7.180	.596	7.66

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## CUMULATIVE AVERAGE COST CURVES

	CALC SLOPE	FIRST COST	CAC(100)	R2
AIRFRAME	.930	6.546	4.045	.830
AIRFRAME & ENGINE	.958	8.071	6.069	.624
TOTAL FLYAWAY	.917	17.116	9.641	.879

## AIRFRAME

FY	CUMULATIVE QUANTITY	CUMULATIVE AVERAGE COST (ACTUAL, \$M)	CUMULATIVE AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
78	105	4.164	4.024	.140	3.36
79	250	3.477	3.675	-.198	5.69
80	425	3.423	3.477	-.054	1.58
81	605	3.375	3.351	.024	.71
82	725	3.387	3.288	.099	2.92

## AIRFRAME &amp; ENGINE

FY	CUMULATIVE QUANTITY	CUMULATIVE AVERAGE COST (ACTUAL, \$M)	CUMULATIVE AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
78	105	6.266	6.051	.215	3.43
79	250	5.413	5.735	-.322	5.95
80	425	5.465	5.549	-.084	1.54
81	605	5.493	5.429	.064	1.17
82	725	5.513	5.369	.144	2.61

## TOTAL FLYAWAY

FY	CUMULATIVE QUANTITY	CUMULATIVE AVERAGE COST (ACTUAL, \$M)	CUMULATIVE AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
78	105	9.908	9.582	.326	3.29
79	250	8.164	8.600	-.436	5.34
80	425	7.894	8.050	-.156	1.98
81	605	7.763	7.703	.060	.77
82	725	7.765	7.532	.233	3.00

F/A-18A

F/A-18A

PHYSICAL AND PERFORMANCE  
CHARACTERISTICS

MANUFACTURER:	MCDONNELL DOUGLAS
WING (FIXED/ROTARY):	FIXED
CTOL/VSTOL/STOL/OTHER:	CTOL
AIRFRAME PERFORMANCE:	11.6
AIRCRAFT SYSTEM PERFORMANCE:	25.42
ENGINE NUMBER:	F404-GE-400
NUMBER OF ENGINES:	2
SERVICE:	NAVY

F/A-18A

**TOTAL OBLIGATIONAL AUTHORITY  
(MILLIONS OF THEN-YEAR DOLLARS)**

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
79	9	258.601	33.847	1.923	.191	.270	333.332
80	25	558.789	104.449	11.293	1.789	.803	740.931
81	60	1160.591	242.492	39.385	2.271	2.270	1447.010
82	63	1115.121	234.327	57.988	7.464	4.327	1432.500

**MILLIONS OF CONSTANT FY81 DOLLARS**

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
79	9	268.008	35.078	1.993	.198	.280	345.458
80	25	524.488	98.037	10.600	1.679	.754	695.449
81	60	986.729	206.166	33.485	1.931	1.930	1230.241
82	63	882.495	185.444	45.891	5.907	3.424	1133.666
TOTAL	157	2661.720	524.725	91.969	9.715	6.388	3404.813

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F/A-18A

FISCAL YEAR LOT AVERAGE COSTS  
(MILLIONS OF CONSTANT FY81 DOLLARS)

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
79	9	29.779	3.898	.221	.022	.031	38.384
80	25	20.980	3.921	.424	.067	.030	27.818
81	60	16.445	3.436	.558	.032	.032	20.504
82	63	14.008	2.944	.728	.094	.054	17.995
TOTAL	157	16.954	3.342	.586	.062	.041	21.687

CUMULATIVE AVERAGE COSTS  
(MILLIONS OF CONSTANT FY81 DOLLARS)

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
79	9	29.779	3.898	.221	.022	.031	38.384
80	34	23.309	3.915	.370	.055	.030	30.615
81	94	18.928	3.609	.490	.041	.032	24.161
82	157	16.954	3.342	.586	.062	.041	21.687

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## UNIT COST CURVES

	CALC SLOPE	CALC FIRST COST	UNIT 100	R2
AIRFRAME	.860	40.285	14.757	1.000
AIRFRAME & ENGINE	.872	44.618	17.928	.998
TOTAL FLYAWAY	.856	52.827	18.839	.994

## AIRFRAME

FY	PLOT POINT QUANTITY	FISCAL YEAR AVERAGE COST (ACTUAL, \$M)	FISCAL YEAR AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
--	-----	-----	-----	-----	-----
79	4	29.779	29.879	-.100	.34
80	20	20.980	20.864	.116	.55
81	62	16.445	16.407	.038	.23
82	124	14.008	14.071	-.063	.45

## AIRFRAME &amp; ENGINE

FY	PLOT POINT QUANTITY	FISCAL YEAR AVERAGE COST (ACTUAL, \$M)	FISCAL YEAR AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
--	-----	-----	-----	-----	-----
79	4	33.676	33.982	-.306	.91
80	20	24.901	24.545	.356	1.43
81	62	19.882	19.735	.147	.74
82	124	16.951	17.169	-.218	1.29

## TOTAL FLYAWAY

FY	PLOT POINT QUANTITY	FISCAL YEAR AVERAGE COST (ACTUAL, \$M)	FISCAL YEAR AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
--	-----	-----	-----	-----	-----
79	4	38.384	38.883	-.499	1.30
80	20	27.818	26.885	.933	3.35
81	61	20.504	21.006	-.502	2.45
82	124	17.995	17.941	.054	.30

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F/A-18A

## CUMULATIVE AVERAGE COST CURVES

	CALC SLOPE	CALC FIRST COST	CAC(100)	R2
AIRFRAME	.873	46.161	18.654	.999
AIRFRAME & ENGINE	.885	50.034	22.197	.998
TOTAL FLYAWAY	.870	60.585	23.968	.995

## AIRFRAME

FY	CUMULATIVE QUANTITY	CUMULATIVE AVERAGE COST (ACTUAL, \$M)	CUMULATIVE AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
79	9	29.779	29.959	-.180	.60
80	34	23.309	23.065	.244	1.05
81	94	18.928	18.883	.045	.24
82	157	16.954	17.070	-.116	.68

## AIRFRAME &amp; ENGINE

FY	CUMULATIVE QUANTITY	CUMULATIVE AVERAGE COST (ACTUAL, \$M)	CUMULATIVE AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
79	9	33.676	33.951	-.275	.82
80	34	27.224	26.852	.372	1.37
81	94	22.537	22.441	.096	.43
82	157	20.296	20.498	-.202	1.00

## TOTAL FLYAWAY

FY	CUMULATIVE QUANTITY	CUMULATIVE AVERAGE COST (ACTUAL, \$M)	CUMULATIVE AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
79	9	38.384	38.923	-.539	1.40
80	34	30.615	29.783	.832	2.72
81	94	24.161	24.268	-.107	.44
82	157	21.687	21.887	-.200	.92

F-84F

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PHYSICAL AND PERFORMANCE  
CHARACTERISTICS

MANUFACTURER:	REPUBLIC
WING (FIXED/ROTARY):	FIXED
CTOL/VSTOL/STOL/OTHER:	CTOL
AIRFRAME PERFORMANCE:	7.85
AIRCRAFT SYSTEM PERFORMANCE:	5.13
ENGINE NUMBER:	J65-W-3
NUMBER OF ENGINES:	1
SERVICE:	AIR FORCE

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**TOTAL OBLIGATIONAL AUTHORITY  
(MILLIONS OF THEN-YEAR DOLLARS)**

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
51	719	559.828	75.700	3.962	3.066	22.900	665.456
52	193	75.508	119.100	2.946	7.895	13.539	219.988
53	585	203.764	35.770	5.912	2.890	15.624	263.960

**MILLIONS OF CONSTANT FY81 DOLLARS**

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
51	719	1917.876	259.335	13.573	10.504	78.452	2279.740
52	193	259.567	409.419	10.127	27.140	46.542	756.232
53	585	683.772	120.034	19.839	9.698	52.430	885.772
<b>TOTAL</b>	<b>1497</b>	<b>2861.215</b>	<b>788.788</b>	<b>43.539</b>	<b>47.341</b>	<b>177.423</b>	<b>3921.744</b>

**FISCAL YEAR LOT AVERAGE COSTS  
(MILLIONS OF CONSTANT FY81 DOLLARS)**

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
51	719	2.667	.361	.019	.015	.109	3.171
52	193	1.345	2.121	.052	.141	.241	3.918
53	585	1.169	.205	.034	.017	.090	1.514
<b>TOTAL</b>	<b>1497</b>	<b>1.911</b>	<b>.527</b>	<b>.029</b>	<b>.032</b>	<b>.119</b>	<b>2.620</b>

**CUMULATIVE AVERAGE COSTS  
(MILLIONS OF CONSTANT FY81 DOLLARS)**

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
51	719	2.667	.361	.019	.015	.109	3.171
52	912	2.388	.733	.026	.041	.137	3.329
53	1497	1.911	.527	.029	.032	.119	2.620

F-84F

F-84F

## UNIT COST CURVES

	CALC SLOPE	CALC FIRST COST	UNIT 100	R2
AIRFRAME	.725	30.846	3.631	.998
AIRFRAME & ENGINE	.801	18.928	4.318	.323
TOTAL FLYAWAY	.818	16.911	4.467	.255

## AIRFRAME

FY	PLOT POINT QUANTITY	FISCAL YEAR AVERAGE COST (ACTUAL, \$M)	FISCAL YEAR AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
--	---	---	---	---	---
51	196	2.667	2.656	.011	.41
52	813	1.345	1.372	-.027	2.01
53	1187	1.169	1.150	.019	1.63

## AIRFRAME &amp; ENGINE

FY	PLOT POINT QUANTITY	FISCAL YEAR AVERAGE COST (ACTUAL, \$M)	FISCAL YEAR AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
--	---	---	---	---	---
51	220	3.028	3.353	-.325	10.73
52	813	3.466	2.204	1.262	36.41
53	1189	1.374	1.951	-.577	41.99

## TOTAL FLYAWAY

FY	PLOT POINT QUANTITY	FISCAL YEAR AVERAGE COST (ACTUAL, \$M)	FISCAL YEAR AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
--	---	---	---	---	---
51	225	3.171	3.534	-.363	11.45
52	813	3.918	2.437	1.481	37.80
53	1189	1.514	2.184	-.670	44.25

## F-84F

## CUMULATIVE AVERAGE COST CURVES

	CALC SLOPE	CALC FIRST COST	CAC(100)	R2
AIRFRAME	.730	52.674	6.520	1.000
AIRFRAME & ENGINE	.798	27.047	6.020	.822
TOTAL FLYAWAY	.816	23.039	5.943	.756

## AIRFRAME

FY	CUMULATIVE QUANTITY	CUMULATIVE AVERAGE COST (ACTUAL, \$M)	CUMULATIVE AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
51	719	2.667	2.664	.003	.11
52	912	2.388	2.392	-.003	.17
53	1497	1.911	1.910	.001	.05

## AIRFRAME &amp; ENGINE

FY	CUMULATIVE QUANTITY	CUMULATIVE AVERAGE COST (ACTUAL, \$M)	CUMULATIVE AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
51	719	3.028	3.163	-.135	4.46
52	912	3.121	2.926	.195	6.25
53	1497	2.438	2.490	-.052	2.13

## TOTAL FLYAWAY

FY	CUMULATIVE QUANTITY	CUMULATIVE AVERAGE COST (ACTUAL, \$M)	CUMULATIVE AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
51	719	3.171	3.326	-.155	4.89
52	912	3.329	3.101	.228	6.85
53	1497	2.620	2.681	-.061	2.33

F-84G

F-84G

**PHYSICAL AND PERFORMANCE  
CHARACTERISTICS**

MANUFACTURER:	REPUBLIC
WING (FIXED/ROTARY):	FIXED
CTOL/VSTOL/STOL/OTHER:	CTOL
AIRFRAME PERFORMANCE:	7.85
AIRCRAFT SYSTEM PERFORMANCE:	5.13
ENGINE NUMBER:	J65-W-3
NUMBER OF ENGINES:	1
SERVICE:	AIR FORCE

## F-84G

TOTAL OBLIGATIONAL AUTHORITY  
(MILLIONS OF THEN-YEAR DOLLARS)

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
51	652	96.748	28.023	3.161	1.773	26.654	156.359
52	137	22.269	4.673	.325	.269	3.246	30.782

## MILLIONS OF CONSTANT FY81 DOLLARS

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
51	652	331.442	96.002	10.829	6.074	91.312	535.659
52	137	76.552	16.064	1.117	.925	11.158	105.816
<b>TOTAL</b>	<b>789</b>	<b>407.994</b>	<b>112.066</b>	<b>11.946</b>	<b>6.999</b>	<b>102.471</b>	<b>641.476</b>

FISCAL YEAR LOT AVERAGE COSTS  
(MILLIONS OF CONSTANT FY81 DOLLARS)

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
51	652	.508	.147	.017	.009	.140	.822
52	137	.559	.117	.008	.007	.081	.772
<b>TOTAL</b>	<b>789</b>	<b>.517</b>	<b>.142</b>	<b>.015</b>	<b>.009</b>	<b>.130</b>	<b>.813</b>

CUMULATIVE AVERAGE COSTS  
(MILLIONS OF CONSTANT FY81 DOLLARS)

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
51	652	.508	.147	.017	.009	.140	.822
52	789	.517	.142	.015	.009	.130	.813

F-86D

F-86D

**PHYSICAL AND PERFORMANCE  
CHARACTERISTICS**

MANUFACTURER:	NORTH AMERICAN
WING (FIXED/ROTARY):	FIXED
CTOL/VSTOL/STOL/OTHER:	CTOL
AIRFRAME PERFORMANCE:	5.31
AIRCRAFT SYSTEM PERFORMANCE:	3.68
ENGINE NUMBER:	J47-GE-17
NUMBER OF ENGINES:	1
SERVICE:	AIR FORCE

## F-86D

TOTAL OBLIGATIONAL AUTHORITY  
(MILLIONS OF THEN-YEAR DOLLARS)

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
51	826	147.307	68.062	5.729	.094	64.952	286.144
52	901	141.654	60.794	4.715	.500	61.601	269.264
53	624	90.023	42.041	6.577	.439	43.875	182.955

## MILLIONS OF CONSTANT FY81 DOLLARS

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
51	826	504.649	233.169	19.627	.322	222.515	980.281
52	901	486.951	208.986	16.208	1.719	211.760	925.624
53	624	302.091	141.077	22.070	1.473	147.232	613.943
<b>TOTAL</b>	<b>2351</b>	<b>1293.690</b>	<b>583.232</b>	<b>57.905</b>	<b>3.514</b>	<b>581.506</b>	<b>2519.848</b>

FISCAL YEAR LOT AVERAGE COSTS  
(MILLIONS OF CONSTANT FY81 DOLLARS)

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
51	826	.611	.282	.024	.000	.269	1.187
52	901	.540	.232	.018	.002	.235	1.027
53	624	.484	.226	.035	.002	.236	.984
<b>TOTAL</b>	<b>2351</b>	<b>.550</b>	<b>.248</b>	<b>.025</b>	<b>.001</b>	<b>.247</b>	<b>1.072</b>

CUMULATIVE AVERAGE COSTS  
(MILLIONS OF CONSTANT FY81 DOLLARS)

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
51	826	.611	.282	.024	.000	.269	1.187
52	1727	.574	.256	.021	.001	.251	1.104
53	2351	.550	.248	.025	.001	.247	1.072

F-86D

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## UNIT COST CURVES

	CALC SLOPE	CALC FIRST COST	UNIT 100	R2
AIRFRAME	.925	1.155	.693	.939
AIRFRAME & ENGINE	.925	1.703	1.011	.984
TOTAL FLYAWAY	.935	2.057	1.315	1.000

## AIRFRAME

FY	PLOT POINT QUANTITY	FISCAL YEAR AVERAGE COST (ACTUAL, \$M)	FISCAL YEAR AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
51	288	.611	.616	-.004	.82
52	1246	.540	.523	.017	3.15
53	2030	.484	.496	-.012	2.48

## AIRFRAME &amp; ENGINE

FY	PLOT POINT QUANTITY	FISCAL YEAR AVERAGE COST (ACTUAL, \$M)	FISCAL YEAR AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
51	288	.893	.897	-.003	.45
52	1246	.772	.760	.012	1.55
53	2030	.710	.719	-.008	1.27

## TOTAL FLYAWAY

FY	PLOT POINT QUANTITY	FISCAL YEAR AVERAGE COST (ACTUAL, \$M)	FISCAL YEAR AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
51	291	1.187	1.186	.001	.08
52	1247	1.027	1.030	-.002	.29
53	2030	.984	.982	.002	.20

## F-86D

## CUMULATIVE AVERAGE COST CURVES

	CALC SLOPE	CALC FIRST COST	CAC(100)	R2
AIRFRAME	.935	1.176	.752	.984
AIRFRAME & ENGINE	.929	1.821	1.118	.997
TOTAL FLYAWAY	.935	2.286	1.458	1.000

## AIRFRAME

FY	CUMULATIVE QUANTITY	CUMULATIVE AVERAGE COST (ACTUAL, \$M)	CUMULATIVE AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
51	826	.611	.612	.000	.16
52	1727	.574	.570	.004	.70
53	2351	.550	.553	-.002	.55

## AIRFRAME &amp; ENGINE

FY	CUMULATIVE QUANTITY	CUMULATIVE AVERAGE COST (ACTUAL, \$M)	CUMULATIVE AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
51	826	.893	.894	.000	.11
52	1727	.830	.827	.003	.36
53	2351	.798	.800	-.001	.25

## TOTAL FLYAWAY

FY	CUMULATIVE QUANTITY	CUMULATIVE AVERAGE COST (ACTUAL, \$M)	CUMULATIVE AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
51	826	1.187	1.187	0.000	0.00
52	1727	1.104	1.104	0.000	0.00
53	2351	1.072	1.071	.001	.09

F-86E

F-86E

**PHYSICAL AND PERFORMANCE  
CHARACTERISTICS**

MANUFACTURER:	NORTH AMERICAN
WING (FIXED/ROTARY):	FIXED
CTOL/VSTOL/STOL/OTHER:	CTOL
AIRFRAME PERFORMANCE:	5.09
AIRCRAFT SYSTEM PERFORMANCE:	4.03
ENGINE NUMBER:	J47-GE-27
NUMBER OF ENGINES:	1
SERVICE:	AIR FORCE

## F-86E

TOTAL OBLIGATIONAL AUTHORITY  
(MILLIONS OF THEN-YEAR DOLLARS)

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
51	225	29.845	9.182	1.555	.875	5.261	46.718
52	60	15.336	0.000	.085	0.000	.012	15.433

## MILLIONS OF CONSTANT FY81 DOLLARS

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
51	225	102.244	31.456	5.327	2.998	18.023	160.048
52	60	52.719	0.000	.292	0.000	.041	53.053
<b>TOTAL</b>	<b>285</b>	<b>154.963</b>	<b>31.456</b>	<b>5.619</b>	<b>2.998</b>	<b>18.065</b>	<b>213.101</b>

FISCAL YEAR LOT AVERAGE COSTS  
(MILLIONS OF CONSTANT FY81 DOLLARS)

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
51	225	.454	.140	.024	.013	.080	.711
52	60	.879	0.000	.005	0.000	.001	.884
<b>TOTAL</b>	<b>285</b>	<b>.544</b>	<b>.110</b>	<b>.020</b>	<b>.011</b>	<b>.063</b>	<b>.748</b>

CUMULATIVE AVERAGE COSTS  
(MILLIONS OF CONSTANT FY81 DOLLARS)

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
51	225	.454	.140	.024	.013	.080	.711
52	285	.544	.110	.020	.011	.063	.748

F-86F

F-86F

**PHYSICAL AND PERFORMANCE  
CHARACTERISTICS**

MANUFACTURER:	NORTH AMERICAN
WING (FIXED/ROTARY):	FIXED
CTOL/VSTOL/STOL/OTHER:	CTOL
AIRFRAME PERFORMANCE:	5.09
AIRCRAFT SYSTEM PERFORMANCE:	4.03
ENGINE NUMBER:	J47-GE-27
NUMBER OF ENGINES:	1
SERVICE:	AIR FORCE

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**TOTAL OBLIGATIONAL AUTHORITY  
(MILLIONS OF THEN-YEAR DOLLARS)**

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
51	576	103.877	26.190	2.758	2.599	8.845	144.269
52	1226	152.194	55.844	7.184	2.557	22.014	239.793
53	157	18.349	5.461	.816	.812	4.062	29.500

**MILLIONS OF CONSTANT FY81 DOLLARS**

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
51	576	355.865	89.723	9.448	8.904	30.301	494.241
52	1226	523.183	191.970	24.696	8.790	75.675	824.314
53	157	61.574	18.326	2.738	2.725	13.631	98.993
<b>TOTAL</b>	<b>1959</b>	<b>940.622</b>	<b>300.018</b>	<b>36.882</b>	<b>20.419</b>	<b>119.608</b>	<b>1417.549</b>

**FISCAL YEAR LOT AVERAGE COSTS  
(MILLIONS OF CONSTANT FY81 DOLLARS)**

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
51	576	.618	.156	.016	.015	.053	.858
52	1226	.427	.157	.020	.007	.062	.672
53	157	.392	.117	.017	.017	.087	.631
<b>TOTAL</b>	<b>1959</b>	<b>.480</b>	<b>.153</b>	<b>.019</b>	<b>.010</b>	<b>.061</b>	<b>.724</b>

**CUMULATIVE AVERAGE COSTS  
(MILLIONS OF CONSTANT FY81 DOLLARS)**

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
51	576	.618	.156	.016	.015	.053	.858
52	1802	.488	.156	.019	.010	.059	.732
53	1959	.480	.153	.019	.010	.061	.724

F-86F

F-86F

## UNIT COST CURVES.

	CALC SLOPE	CALC FIRST COST	UNIT 100	R2
AIRFRAME	.870	1.777	.702	.998
AIRFRAME & ENGINE	.884	1.991	.876	.989
TOTAL FLYAWAY	.909	1.779	.942	1.000

## AIRFRAME

FY	PLOT POINT QUANTITY	FISCAL YEAR AVERAGE COST (ACTUAL, \$M)	FISCAL YEAR AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
51	191	.618	.616	.002	.32
52	1121	.427	.431	-.003	.94
53	1880	.392	.389	.003	.77

## AIRFRAME &amp; ENGINE

FY	PLOT POINT QUANTITY	FISCAL YEAR AVERAGE COST (ACTUAL, \$M)	FISCAL YEAR AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
51	194	.774	.778	-.003	.52
52	1123	.583	.569	.014	2.40
53	1880	.509	.519	-.010	1.96

## TOTAL FLYAWAY

FY	PLOT POINT QUANTITY	FISCAL YEAR AVERAGE COST (ACTUAL, \$M)	FISCAL YEAR AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
51	199	.858	.857	.001	.12
52	1125	.672	.675	-.002	.45
53	1880	.631	.629	.002	.32

## F-86F

## CUMULATIVE AVERAGE COST CURVES

	CALC SLOPE	CALC FIRST COST	CAC(100)	R2
AIRFRAME	.867	2.295	.887	--
AIRFRAME & ENGINE	.894	2.169	1.028	1.000
TOTAL FLYAWAY	.908	2.081	1.095	1.000

## AIRFRAME

FY	CUMULATIVE QUANTITY	CUMULATIVE AVERAGE COST (ACTUAL, \$M)	CUMULATIVE AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
--	-----	-----	-----	-----	-----
51	576	.618	.618	0.000	0.00
52	1802	.488	.488	0.000	0.00
53	1959	.480	.480	0.000	0.00

## AIRFRAME &amp; ENGINE

FY	CUMULATIVE QUANTITY	CUMULATIVE AVERAGE COST (ACTUAL, \$M)	CUMULATIVE AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
--	-----	-----	-----	-----	-----
51	576	.774	.774	0.000	0.00
52	1802	.644	.643	.001	.16
53	1959	.633	.634	0.000	.16

## TOTAL FLYAWAY

FY	CUMULATIVE QUANTITY	CUMULATIVE AVERAGE COST (ACTUAL, \$M)	CUMULATIVE AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
--	-----	-----	-----	-----	-----
51	576	.858	.858	0.000	0.00
52	1802	.732	.732	0.000	0.00
53	1959	.724	.723	.001	.14

F-86H

F-86H

**PHYSICAL AND PERFORMANCE  
CHARACTERISTICS**

MANUFACTURER:	NORTH AMERICAN
WING (FIXED/ROTARY):	FIXED
CTOL/VSTOL/STOL/OTHER:	CTOL
AIRFRAME PERFORMANCE:	6.08
AIRCRAFT SYSTEM PERFORMANCE:	5.68
ENGINE NUMBER:	J73-GE-3
NUMBER OF ENGINES:	1
SERVICE:	AIR FORCE

F-86H

**TOTAL OBLIGATIONAL AUTHORITY  
(MILLIONS OF THEN-YEAR DOLLARS)**

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
52	173	87.411	40.018	1.148	1.033	5.502	135.112
53	300	61.219	61.030	1.437	7.052	8.790	139.528

**MILLIONS OF CONSTANT FY81 DOLLARS**

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
52	173	300.485	137.566	3.946	3.551	18.914	464.462
53	300	205.433	204.799	4.822	23.664	29.497	468.215
<b>TOTAL</b>	<b>473</b>	<b>505.918</b>	<b>342.365</b>	<b>8.769</b>	<b>27.215</b>	<b>48.410</b>	<b>932.677</b>

**FISCAL YEAR LOT AVERAGE COSTS  
(MILLIONS OF CONSTANT FY81 DOLLARS)**

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
52	173	1.737	.795	.023	.021	.109	2.685
53	300	.685	.683	.016	.079	.098	1.561
<b>TOTAL</b>	<b>473</b>	<b>1.070</b>	<b>.724</b>	<b>.019</b>	<b>.058</b>	<b>.102</b>	<b>1.972</b>

**CUMULATIVE AVERAGE COSTS  
(MILLIONS OF CONSTANT FY81 DOLLARS)**

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
52	173	1.737	.795	.023	.021	.109	2.685
53	473	1.070	.724	.019	.058	.102	1.972

F-89C

F-89C

PHYSICAL AND PERFORMANCE  
CHARACTERISTICS

MANUFACTURER:	NORTHROP
WING (FIXED/ROTARY):	FIXED
CTOL/VSTOL/STOL/OTHER:	CTOL
AIRFRAME PERFORMANCE:	3.72
AIRCRAFT SYSTEM PERFORMANCE:	2.46
ENGINE NUMBER:	J35-A-35
NUMBER OF ENGINES:	2
SERVICE:	AIR FORCE

## F-89C

TOTAL OBLIGATIONAL AUTHORITY  
(MILLIONS OF THEN-YEAR DOLLARS)

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
50	64	45.194	5.397	.348	.475	.449	51.863
51	100	64.357	10.306	1.055	.384	15.192	91.294

## MILLIONS OF CONSTANT FY81 DOLLARS

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
50	64	156.924	18.740	1.208	1.649	1.559	180.080
51	100	220.476	35.307	3.614	1.316	52.045	312.758
<b>TOTAL</b>	<b>164</b>	<b>377.400</b>	<b>54.046</b>	<b>4.823</b>	<b>2.965</b>	<b>53.604</b>	<b>492.838</b>

FISCAL YEAR LOT AVERAGE COSTS  
(MILLIONS OF CONSTANT FY81 DOLLARS)

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
50	64	2.452	.293	.019	.026	.024	2.814
51	100	2.205	.353	.036	.013	.520	3.128
<b>TOTAL</b>	<b>164</b>	<b>2.301</b>	<b>.330</b>	<b>.029</b>	<b>.018</b>	<b>.327</b>	<b>3.005</b>

CUMULATIVE AVERAGE COSTS  
(MILLIONS OF CONSTANT FY81 DOLLARS)

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
50	64	2.452	.293	.019	.026	.024	2.814
51	164	2.301	.330	.029	.018	.327	3.005

F-89D

F-89D

PHYSICAL AND PERFORMANCE  
CHARACTERISTICS

MANUFACTURER:	NORTHROP
WING (FIXED/ROTARY):	FIXED
CTOL/VSTOL/STOL/OTHER:	CTOL
AIRFRAME PERFORMANCE:	4.72
AIRCRAFT SYSTEM PERFORMANCE:	4.05
ENGINE NUMBER:	J35-A-35
NUMBER OF ENGINES:	2
SERVICE:	AIR FORCE

F-890

**TOTAL OBLIGATIONAL AUTHORITY  
(MILLIONS OF THEN-YEAR DOLLARS)**

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
51	193	124.209	19.890	2.035	.741	29.320	176.195
52	172	101.402	20.536	2.533	.084	17.539	142.094
53	240	109.267	22.477	2.419	.232	21.184	155.579
54	77	35.510	8.139	.777	.077	8.313	52.816

**MILLIONS OF CONSTANT FY81 DOLLARS**

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
51	193	425.519	68.140	6.972	2.539	100.445	603.614
52	172	348.580	70.595	8.707	.289	60.292	488.463
53	240	366.668	75.426	8.117	.779	71.087	522.077
54	77	115.292	26.425	2.523	.250	26.990	171.481
TOTAL	682	1256.059	240.586	26.319	3.856	258.815	1785.635

F-89D

F-89D

FISCAL YEAR LOT AVERAGE COSTS  
(MILLIONS OF CONSTANT FY81 DOLLARS)

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
--	---	-----	-----	-----	-----	-----	-----
51	193	2.205	.353	.036	.013	.520	3.128
52	172	2.027	.410	.051	.002	.351	2.840
53	240	1.528	.314	.034	.003	.296	2.175
54	77	1.497	.343	.033	.003	.351	2.227
TOTAL	682	1.842	.353	.039	.006	.379	2.618

CUMULATIVE AVERAGE COSTS  
(MILLIONS OF CONSTANT FY81 DOLLARS)

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
--	---	-----	-----	-----	-----	-----	-----
51	193	2.205	.353	.036	.013	.520	3.128
52	365	2.121	.380	.043	.008	.440	2.992
53	605	1.886	.354	.039	.006	.383	2.668
54	682	1.842	.353	.039	.006	.379	2.618

F-89D

## UNIT COST CURVES

	CALC SLOPE	CALC FIRST COST	UNIT 100	R2
AIRFRAME	.885	4.791	2.134	.814
AIRFRAME & ENGINE	.899	5.072	2.503	.757
TOTAL FLYAWAY	.894	6.370	3.017	.826

## AIRFRAME

FY	PLOT POINT QUANTITY	FISCAL YEAR AVERAGE COST (ACTUAL, \$M)	FISCAL YEAR AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
51	66	2.205	2.294	-.089	4.04
52	274	2.027	1.787	.240	11.84
53	479	1.528	1.620	-.092	6.02
54	643	1.497	1.539	-.042	2.81

## AIRFRAME &amp; ENGINE

FY	PLOT POINT QUANTITY	FISCAL YEAR AVERAGE COST (ACTUAL, \$M)	FISCAL YEAR AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
51	67	2.558	2.661	-.103	4.03
52	274	2.437	2.144	.293	12.02
53	479	1.842	1.968	-.126	6.84
54	643	1.840	1.881	-.041	2.23

## TOTAL FLYAWAY

FY	PLOT POINT QUANTITY	FISCAL YEAR AVERAGE COST (ACTUAL, \$M)	FISCAL YEAR AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
51	67	3.128	3.221	-.093	2.97
52	274	2.840	2.561	.279	9.82
53	479	2.175	2.339	-.164	7.54
54	643	2.227	2.230	-.002	.13

F-89D

F-89D

## CUMULATIVE AVERAGE COST CURVES

	CALC SLOPE	CALC FIRST COST	CAC(100)	R2
AIRFRAME	.903	4.852	2.471	.919
AIRFRAME & ENGINE	.916	5.056	2.831	.882
TOTAL FLYAWAY	.904	6.838	3.496	.934

## AIRFRAME

FY	CUMULATIVE QUANTITY	CUMULATIVE AVERAGE COST (ACTUAL, \$M)	CUMULATIVE AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
51	193	2.205	2.244	-.039	1.77
52	365	2.121	2.044	.077	3.63
53	605	1.886	1.898	-.012	.64
54	682	1.842	1.865	-.023	1.25

## AIRFRAME &amp; ENGINE

FY	CUMULATIVE QUANTITY	CUMULATIVE AVERAGE COST (ACTUAL, \$M)	CUMULATIVE AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
51	193	2.558	2.606	-.048	1.88
52	365	2.501	2.405	.096	3.84
53	605	2.240	2.257	-.017	.76
54	682	2.194	2.223	-.029	1.32

## TOTAL FLYAWAY

FY	CUMULATIVE QUANTITY	CUMULATIVE AVERAGE COST (ACTUAL, \$M)	CUMULATIVE AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
51	193	3.128	3.177	-.049	1.57
52	365	2.992	2.895	.097	3.24
53	605	2.668	2.689	-.021	.79
54	682	2.618	2.643	-.025	.95

F-89H

F-89H

PHYSICAL AND PERFORMANCE  
CHARACTERISTICS

MANUFACTURER:	NORTHROP
WING (FIXED/ROTARY):	FIXED
CTOL/VSTOL/STOL/OTHER:	CTOL
AIRFRAME PERFORMANCE:	3.72
AIRCRAFT SYSTEM PERFORMANCE:	2.46
ENGINE NUMBER:	J35-A-35
NUMBER OF ENGINES:	2
SERVICE:	AIR FORCE

F-89H

**TOTAL OBLIGATIONAL AUTHORITY  
(MILLIONS OF THEN-YEAR DOLLARS)**

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
--	--	-----	-----	-----	-----	-----	-----
54	156	83.733	16.489	1.575	.155	55.434	157.386

**MILLIONS OF CONSTANT FY81 DOLLARS**

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
--	--	-----	-----	-----	-----	-----	-----
54	156	271.860	53.536	5.114	.503	179.981	510.994
TOTAL	156	271.860	53.536	5.114	.503	179.981	510.994

**FISCAL YEAR LOT AVERAGE COSTS  
(MILLIONS OF CONSTANT FY81 DOLLARS)**

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
--	--	-----	-----	-----	-----	-----	-----
54	156	1.743	.343	.033	.003	1.154	3.276
TOTAL	156	1.743	.343	.033	.003	1.154	3.276

**CUMULATIVE AVERAGE COSTS  
(MILLIONS OF CONSTANT FY81 DOLLARS)**

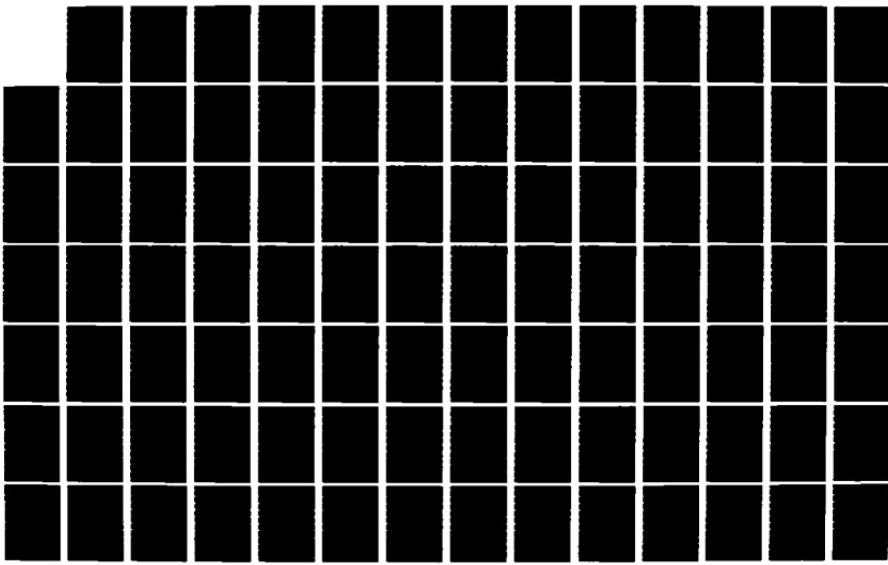
FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
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54	156	1.743	.343	.033	.003	1.154	3.276

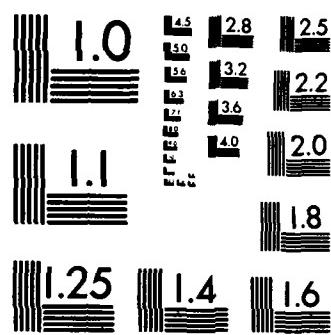
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MICROCOPY RESOLUTION TEST CHART  
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F-100A

F-100A

**PHYSICAL AND PERFORMANCE  
CHARACTERISTICS**

MANUFACTURER:	NORTH AMERICAN
WING (FIXED/ROTARY):	FIXED
CTOL/VSTOL/STOL/OTHER:	CTOL
AIRFRAME PERFORMANCE:	5.51
AIRCRAFT SYSTEM PERFORMANCE:	4.80
ENGINE NUMBER:	J57-P-21
NUMBER OF ENGINES:	1
SERVICE:	AIR FORCE

F-100A

TOTAL OBLIGATIONAL AUTHORITY  
(MILLIONS OF THEN-YEAR DOLLARS)

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
52	23	28.634	5.486	.054	.014	.560	34.748
53	180	122.269	38.601	1.297	4.249	3.870	170.286

MILLIONS OF CONSTANT FY81 DOLLARS

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
52	23	98.432	18.859	.186	.048	1.925	119.450
53	180	410.299	129.534	4.352	14.258	12.987	571.430
<b>TOTAL</b>	<b>203</b>	<b>508.731</b>	<b>148.392</b>	<b>4.538</b>	<b>14.307</b>	<b>14.912</b>	<b>690.880</b>

FISCAL YEAR LOT AVERAGE COSTS  
(MILLIONS OF CONSTANT FY81 DOLLARS)

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
52	23	4.280	.820	.008	.002	.084	5.193
53	180	2.279	.720	.024	.079	.072	3.175
<b>TOTAL</b>	<b>203</b>	<b>2.506</b>	<b>.731</b>	<b>.022</b>	<b>.070</b>	<b>.073</b>	<b>3.403</b>

CUMULATIVE AVERAGE COSTS  
(MILLIONS OF CONSTANT FY81 DOLLARS)

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
52	23	4.280	.820	.008	.002	.084	5.193
53	203	2.506	.731	.022	.070	.073	3.403

F-100C

F-100C

PHYSICAL AND PERFORMANCE  
CHARACTERISTICS

MANUFACTURER:	NORTH AMERICAN
WING (FIXED/ROTARY):	FIXED
CTOL/VSTOL/STOL/OTHER:	CTOL
AIRFRAME PERFORMANCE:	5.51
AIRCRAFT SYSTEM PERFORMANCE:	4.80
ENGINE NUMBER:	J57-P-21
NUMBER OF ENGINES:	1
SERVICE:	AIR FORCE

F-100C

**TOTAL OBLIGATIONAL AUTHORITY  
(MILLIONS OF THEN-YEAR DOLLARS)**

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
53	70	34.100	15.012	.659	1.645	1.382	52.798
54	381	162.028	66.133	4.849	3.865	8.155	245.030
55	25	12.992	3.847	.228	.261	.859	18.187

**MILLIONS OF CONSTANT FY81 DOLLARS**

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
53	70	114.430	50.376	2.211	5.520	4.638	177.174
54	381	526.065	214.718	15.744	12.549	26.477	795.552
55	25	40.385	11.958	.709	.811	2.670	56.534
<b>TOTAL</b>	<b>476</b>	<b>680.880</b>	<b>277.052</b>	<b>18.664</b>	<b>18.880</b>	<b>33.785</b>	<b>1029.260</b>

**FISCAL YEAR LOT AVERAGE COSTS  
(MILLIONS OF CONSTANT FY81 DOLLARS)**

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
53	70	1.635	.720	.032	.079	.066	2.531
54	381	1.381	.564	.041	.033	.069	2.088
55	25	1.615	.478	.028	.032	.107	2.261
<b>TOTAL</b>	<b>476</b>	<b>1.430</b>	<b>.582</b>	<b>.039</b>	<b>.040</b>	<b>.071</b>	<b>2.162</b>

**CUMULATIVE AVERAGE COSTS  
(MILLIONS OF CONSTANT FY81 DOLLARS)**

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
53	70	1.635	.720	.032	.079	.066	2.531
54	451	1.420	.588	.040	.040	.069	2.157
55	476	1.430	.582	.039	.040	.071	2.162

F-100C

F-100C

## UNIT COST CURVES

	CALC SLOPE	CALC FIRST COST	UNIT 100	R2
AIRFRAME	.985	1.716	1.551	.121
AIRFRAME & ENGINE	.964	2.751	2.163	.657
TOTAL FLYAWAY	.965	2.945	2.327	.627

## AIRFRAME

FY	PLOT POINT QUANTITY	FISCAL YEAR AVERAGE COST (ACTUAL,\$M)	FISCAL YEAR AVERAGE COST (ESTIMATED,\$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
--	-----	-----	-----	-----	-----
53	27	1.635	1.597	.038	2.32
54	234	1.381	1.523	-.142	10.28
55	463	1.615	1.500	.115	7.12

## AIRFRAME &amp; ENGINE

FY	PLOT POINT QUANTITY	FISCAL YEAR AVERAGE COST (ACTUAL,\$M)	FISCAL YEAR AVERAGE COST (ESTIMATED,\$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
--	-----	-----	-----	-----	-----
53	26	2.354	2.319	.035	1.49
54	233	1.944	2.070	-.126	6.48
55	463	2.094	1.996	.098	4.68

## TOTAL FLYAWAY

FY	PLOT POINT QUANTITY	FISCAL YEAR AVERAGE COST (ACTUAL,\$M)	FISCAL YEAR AVERAGE COST (ESTIMATED,\$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
--	-----	-----	-----	-----	-----
53	26	2.531	2.492	.039	1.54
54	233	2.088	2.229	-.141	6.75
55	463	2.261	2.152	.109	4.82

## F-100C

## CUMULATIVE AVERAGE COST CURVES

	CALC SLOPE	CALC FIRST COST	CAC(100)	R2
AIRFRAME	.951	2.223	1.593	.995
AIRFRAME & ENGINE	.944	3.357	2.285	.999
TOTAL FLYAWAY	.943	3.615	2.456	.999

## AIRFRAME

FY	CUMULATIVE QUANTITY	CUMULATIVE AVERAGE COST (ACTUAL, \$M)	CUMULATIVE AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
53	70	1.635	1.634	.001	.06
54	451	1.420	1.428	-.007	.56
55	476	1.430	1.423	.007	.49

## AIRFRAME &amp; ENGINE

FY	CUMULATIVE QUANTITY	CUMULATIVE AVERAGE COST (ACTUAL, \$M)	CUMULATIVE AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
53	70	2.354	2.354	0.000	0.00
54	451	2.008	2.015	-.006	.35
55	476	2.012	2.006	.006	.30

## TOTAL FLYAWAY

FY	CUMULATIVE QUANTITY	CUMULATIVE AVERAGE COST (ACTUAL, \$M)	CUMULATIVE AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
53	70	2.531	2.531	0.000	0.00
54	451	2.157	2.165	-.007	.37
55	476	2.162	2.155	.007	.32

F-100D

F-100D

**PHYSICAL AND PERFORMANCE  
CHARACTERISTICS**

MANUFACTURER:	NORTH AMERICAN
WING (FIXED/ROTARY):	FIXED
CTOL/VSTOL/STOL/OTHER:	CTOL
AIRFRAME PERFORMANCE:	6.25
AIRCRAFT SYSTEM PERFORMANCE:	5.99
ENGINE NUMBER:	J57-P-21A
NUMBER OF ENGINES:	1
SERVICE:	AIR FORCE

## F-100D

TOTAL OBLIGATIONAL AUTHORITY  
(MILLIONS OF THEN-YEAR DOLLARS)

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
--	--	-----	-----	-----	-----	-----	-----
54	183	90.788	37.620	2.035	1.856	9.733	142.032
55	534	260.113	90.228	6.601	5.580	37.738	400.260
56	557	221.077	80.153	5.279	3.645	37.047	347.201

## MILLIONS OF CONSTANT FY81 DOLLARS

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
--	--	-----	-----	-----	-----	-----	-----
54	183	294.766	122.143	6.607	6.026	31.601	461.143
55	534	808.558	280.472	20.519	17.345	117.308	1244.203
56	557	665.694	241.352	15.896	10.976	111.554	1045.471
<b>TOTAL</b>	<b>1274</b>	<b>1769.018</b>	<b>643.967</b>	<b>43.022</b>	<b>34.347</b>	<b>260.462</b>	<b>2750.817</b>

FISCAL YEAR LOT AVERAGE COSTS  
(MILLIONS OF CONSTANT FY81 DOLLARS)

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
--	--	-----	-----	-----	-----	-----	-----
54	183	1.611	.667	.036	.033	.173	2.520
55	534	1.514	.525	.038	.032	.220	2.330
56	557	1.195	.433	.029	.020	.200	1.877
<b>TOTAL</b>	<b>1274</b>	<b>1.389</b>	<b>.505</b>	<b>.034</b>	<b>.027</b>	<b>.204</b>	<b>2.159</b>

CUMULATIVE AVERAGE COSTS  
(MILLIONS OF CONSTANT FY81 DOLLARS)

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
--	--	-----	-----	-----	-----	-----	-----
54	183	1.611	.667	.036	.033	.173	2.520
55	717	1.539	.562	.038	.033	.208	2.378
56	1274	1.389	.505	.034	.027	.204	2.159

F-100D

F-100D

## UNIT COST CURVES

	CALC SLOPE	CALC FIRST COST	UNIT 100	R2
AIRFRAME	.934	2.495	1.590	.738
AIRFRAME & ENGINE	.924	3.744	2.222	.844
TOTAL FLYAWAY	.934	3.892	2.478	.791

## AIRFRAME

FY	PLOT POINT QUANTITY	FISCAL YEAR AVERAGE COST (ACTUAL, \$M)	FISCAL YEAR AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
54	66	1.611	1.658	-.047	2.92
55	419	1.514	1.382	.132	8.72
56	981	1.195	1.272	-.077	6.44

## AIRFRAME &amp; ENGINE

FY	PLOT POINT QUANTITY	FISCAL YEAR AVERAGE COST (ACTUAL, \$M)	FISCAL YEAR AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
54	65	2.278	2.333	-.055	2.41
55	418	2.039	1.890	.149	7.31
56	981	1.628	1.716	-.088	5.41

## TOTAL FLYAWAY

FY	PLOT POINT QUANTITY	FISCAL YEAR AVERAGE COST (ACTUAL, \$M)	FISCAL YEAR AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
54	66	2.520	2.583	-.063	2.50
55	419	2.330	2.154	.176	7.55
56	981	1.877	1.981	-.104	5.54

## F-100D

## CUMULATIVE AVERAGE COST CURVES

	CALC SLOPE	CALC FIRST COST	CAC(100)	R2
-----	-----	-----	-----	-----
AIRFRAME	.953	2.329	1.698	.811
AIRFRAME & ENGINE	.940	3.650	2.426	.913
TOTAL FLYAWAY	.951	3.718	2.659	.865

## AIRFRAME

FY	CUMULATIVE QUANTITY	CUMULATIVE AVERAGE COST (ACTUAL, \$M)	CUMULATIVE AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
--	-----	-----	-----	-----	-----
54	183	1.611	1.629	-.018	1.12
55	717	1.539	1.483	.056	3.64
56	1274	1.389	1.425	-.036	2.59

## AIRFRAME &amp; ENGINE

FY	CUMULATIVE QUANTITY	CUMULATIVE AVERAGE COST (ACTUAL, \$M)	CUMULATIVE AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
--	-----	-----	-----	-----	-----
54	183	2.278	2.299	-.021	.92
55	717	2.100	2.037	.063	3.00
56	1274	1.894	1.935	-.041	2.16

## TOTAL FLYAWAY

FY	CUMULATIVE QUANTITY	CUMULATIVE AVERAGE COST (ACTUAL, \$M)	CUMULATIVE AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
--	-----	-----	-----	-----	-----
54	183	2.520	2.544	-.024	.95
55	717	2.378	2.303	.075	3.15
56	1274	2.159	2.209	-.050	2.32

F-100F

F-100F

**PHYSICAL AND PERFORMANCE  
CHARACTERISTICS**

MANUFACTURER:	NORTH AMERICAN
WING (FIXED/ROTARY):	FIXED
CTOL/VSTOL/STOL/OTHER:	CTOL
AIRFRAME PERFORMANCE:	6.25
AIRCRAFT SYSTEM PERFORMANCE:	5.99
ENGINE NUMBER:	J57-P-21A
NUMBER OF ENGINES:	1
SERVICE:	AIR FORCE

F-100F

TOTAL OBLIGATIONAL AUTHORITY  
(MILLIONS OF THEN-YEAR DOLLARS)

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
53	295	154.081	42.451	3.532	1.146	18.729	219.939
54	29	32.874	4.052	.899	.113	2.762	40.700

MILLIONS OF CONSTANT FY81 DOLLARS

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
53	295	517.050	142.453	11.852	3.846	62.849	738.050
54	29	106.734	13.156	2.919	.367	8.968	132.143
<b>TOTAL</b>	<b>324</b>	<b>623.784</b>	<b>155.609</b>	<b>14.771</b>	<b>4.213</b>	<b>71.817</b>	<b>870.193</b>

FISCAL YEAR LOT AVERAGE COSTS  
(MILLIONS OF CONSTANT FY81 DOLLARS)

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
53	295	1.753	.483	.040	.013	.213	2.502
54	29	3.680	.454	.101	.013	.309	4.557
<b>TOTAL</b>	<b>324</b>	<b>1.925</b>	<b>.480</b>	<b>.046</b>	<b>.013</b>	<b>.222</b>	<b>2.686</b>

CUMULATIVE AVERAGE COSTS  
(MILLIONS OF CONSTANT FY81 DOLLARS)

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
53	295	1.753	.483	.040	.013	.213	2.502
54	324	1.925	.480	.046	.013	.222	2.686

F-100A/C

F-100A/C

PHYSICAL AND PERFORMANCE  
CHARACTERISTICS

MANUFACTURER:	NORTH AMERICAN
WING (FIXED/ROTARY):	FIXED
CTOL/VSTOL/STOL/OTHER:	CTOL
AIRFRAME PERFORMANCE:	5.51
AIRCRAFT SYSTEM PERFORMANCE:	4.80
ENGINE NUMBER:	J57-P-21
NUMBER OF ENGINES:	1
SERVICE:	AIR FORCE

F-100A/C

**TOTAL OBLIGATIONAL AUTHORITY  
(MILLIONS OF THEN-YEAR DOLLARS)**

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
52	23	28.634	5.486	.054	.014	.560	34.748
53	180	122.269	38.601	1.297	4.249	3.870	170.286
53	70	34.100	15.012	.659	1.645	1.382	52.798
54	381	162.028	66.133	4.849	3.865	8.155	245.030
55	25	12.992	3.847	.228	.261	.859	18.187

**MILLIONS OF CONSTANT FY81 DOLLARS**

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
52	23	98.432	18.859	.186	.048	1.925	119.450
53	180	410.299	129.534	4.352	14.258	12.987	571.430
53	70	114.430	50.376	2.211	5.520	4.638	177.174
54	381	526.065	214.718	15.744	12.549	26.477	795.552
55	25	40.385	11.958	.709	.811	2.670	56.534
<b>TOTAL</b>	<b>679</b>	<b>1189.611</b>	<b>425.444</b>	<b>23.202</b>	<b>33.187</b>	<b>48.697</b>	<b>1720.140</b>

## F-100A/C

F-100A/C

FISCAL YEAR LOT AVERAGE COSTS  
(MILLIONS OF CONSTANT FY81 DOLLARS)

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
52	23	4.280	.820	.008	.002	.084	5.193
53	180	2.279	.720	.024	.079	.072	3.175
53	70	1.635	.720	.032	.079	.066	2.531
54	381	1.381	.564	.041	.033	.069	2.088
55	25	1.615	.478	.028	.032	.107	2.261
<b>TOTAL</b>	<b>679</b>	<b>1.752</b>	<b>.627</b>	<b>.034</b>	<b>.049</b>	<b>.072</b>	<b>2.533</b>

CUMULATIVE AVERAGE COSTS  
(MILLIONS OF CONSTANT FY81 DOLLARS)

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
52	23	4.280	.820	.008	.002	.084	5.193
53	203	2.506	.731	.022	.070	.073	3.403
53	273	2.283	.728	.025	.073	.072	3.180
54	654	1.757	.632	.034	.050	.070	2.544
55	679	1.752	.627	.034	.049	.072	2.533

## F-100A/C

## UNIT COST CURVES

	CALC SLOPE	CALC FIRST COST	UNIT 100	R2
AIRFRAME	.839	7.194	2.234	.946
AIRFRAME & ENGINE	.857	8.196	2.935	.976
TOTAL FLYAWAY	.865	8.136	3.100	.974

## AIRFRAME

FY	PLOT POINT QUANTITY	FISCAL YEAR AVERAGE COST (ACTUAL, \$M)	FISCAL YEAR AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
52	9	4.280	4.163	.117	2.73
53	95	2.279	2.261	.018	.79
53	237	1.635	1.793	-.158	9.66
54	447	1.381	1.527	-.146	10.57
55	666	1.615	1.379	.236	14.61

## AIRFRAME &amp; ENGINE

FY	PLOT POINT QUANTITY	FISCAL YEAR AVERAGE COST (ACTUAL, \$M)	FISCAL YEAR AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
52	9	5.100	5.057	.043	.84
53	96	2.999	2.964	.035	1.17
53	237	2.354	2.420	-.066	2.80
54	447	1.944	2.102	-.158	8.13
55	666	2.094	1.923	.171	8.17

## TOTAL FLYAWAY

FY	PLOT POINT QUANTITY	FISCAL YEAR AVERAGE COST (ACTUAL, \$M)	FISCAL YEAR AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
52	9	5.193	5.163	.030	.58
53	96	3.175	3.127	.048	1.51
53	237	2.531	2.586	-.055	2.17
54	448	2.088	2.265	-.177	8.48
55	666	2.261	2.083	.178	7.87

F-100A/C

F-100A/C

## CUMULATIVE AVERAGE COST CURVES

	CALC SLOPE	FIRST COST	CAC(100)	R2
AIRFRAME	.832	9.946	2.939	.997
AIRFRAME & ENGINE	.855	10.479	3.709	.996
TOTAL FLYAWAY	.863	10.248	3.856	.995

## AIRFRAME

FY	CUMULATIVE QUANTITY	CUMULATIVE AVERAGE COST (ACTUAL, \$M)	CUMULATIVE AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
52	23	4.280	4.337	-.057	1.33
53	203	2.506	2.437	.069	2.75
53	273	2.283	2.253	.030	1.31
54	654	1.757	1.788	-.031	1.76
55	679	1.752	1.770	-.018	1.03

## AIRFRAME &amp; ENGINE

FY	CUMULATIVE QUANTITY	CUMULATIVE AVERAGE COST (ACTUAL, \$M)	CUMULATIVE AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
52	23	5.100	5.167	-.067	1.31
53	203	3.237	3.162	.075	2.32
53	273	3.011	2.957	.054	1.79
54	654	2.389	2.428	-.039	1.63
55	679	2.379	2.408	-.029	1.22

## TOTAL FLYAWAY

FY	CUMULATIVE QUANTITY	CUMULATIVE AVERAGE COST (ACTUAL, \$M)	CUMULATIVE AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
52	23	5.193	5.268	-.075	1.44
53	203	3.403	3.318	.085	2.50
53	273	3.180	3.116	.064	2.01
54	654	2.544	2.589	-.045	1.77
55	679	2.533	2.568	-.035	1.38

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F-101A

F-101A

PHYSICAL AND PERFORMANCE  
CHARACTERISTICS

MANUFACTURER:	MCDONNELL DOUGLAS
WING (FIXED/ROTARY):	FIXED
CTOL/VSTOL/STOL/OTHER:	CTOL
AIRFRAME PERFORMANCE:	9.69
AIRCRAFT SYSTEM PERFORMANCE:	13.35
ENGINE NUMBER:	J57-P-55
NUMBER OF ENGINES:	2
SERVICE:	AIR FORCE

F-101A

**TOTAL OBLIGATIONAL AUTHORITY  
(MILLIONS OF THEN-YEAR DOLLARS)**

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
53	29	89.726	18.562	.695	.693	1.676	111.352
54	48	92.313	14.472	1.249	.485	3.919	112.438

**MILLIONS OF CONSTANT FY81 DOLLARS**

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
53	29	301.094	62.289	2.332	2.326	5.624	373.664
54	48	299.718	46.987	4.055	1.575	12.724	365.058
<b>TOTAL</b>	<b>77</b>	<b>600.811</b>	<b>109.276</b>	<b>6.387</b>	<b>3.900</b>	<b>18.348</b>	<b>738.723</b>

**FISCAL YEAR LOT AVERAGE COSTS  
(MILLIONS OF CONSTANT FY81 DOLLARS)**

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
53	29	10.383	2.148	.080	.080	.194	12.885
54	48	6.244	.979	.084	.033	.265	7.605
<b>TOTAL</b>	<b>77</b>	<b>7.803</b>	<b>1.419</b>	<b>.083</b>	<b>.051</b>	<b>.238</b>	<b>9.594</b>

**CUMULATIVE AVERAGE COSTS  
(MILLIONS OF CONSTANT FY81 DOLLARS)**

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
53	29	10.383	2.148	.080	.080	.194	12.885
54	77	7.803	1.419	.083	.051	.238	9.594

F-101B

F-101B

PHYSICAL AND PERFORMANCE  
CHARACTERISTICS

MANUFACTURER:	MCDONNELL DOUGLAS
WING (FIXED/ROTARY):	FIXED
CTOL/VSTOL/STOL/OTHER:	CTOL
AIRFRAME PERFORMANCE:	9.69
AIRCRAFT SYSTEM PERFORMANCE:	13.35
ENGINE NUMBER:	J57-P-55
NUMBER OF ENGINES:	2
SERVICE:	AIR FORCE

F-101B

TOTAL OBLIGATIONAL AUTHORITY  
(MILLIONS OF THEN-YEAR DOLLARS)

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
56	97	184.103	27.878	1.560	.082	27.381	241.004
57	206	199.133	73.430	7.484	31.580	30.706	342.333
58	84	62.726	25.393	2.000	11.057	14.574	115.730
59	93	75.599	33.113	3.690	10.393	16.861	139.656

MILLIONS OF CONSTANT FY81 DOLLARS

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
56	97	554.360	83.945	4.697	.247	82.448	725.697
57	206	598.356	220.643	22.488	94.892	92.266	1028.645
58	84	191.005	77.323	6.090	33.608	44.379	352.406
59	93	231.331	101.325	11.291	31.802	51.594	427.344
TOTAL	480	1575.052	483.236	44.567	160.549	270.687	2534.091

## F-101B

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FISCAL YEAR LOT AVERAGE COSTS  
(MILLIONS OF CONSTANT FY81 DOLLARS)

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
56	97	5.715	.865	.048	.003	.850	7.481
57	206	2.905	1.071	.109	.461	.448	4.993
58	84	2.274	.921	.073	.400	.528	4.195
59	93	2.487	1.090	.121	.342	.555	4.595
<b>TOTAL</b>	<b>480</b>	<b>3.281</b>	<b>1.007</b>	<b>.093</b>	<b>.334</b>	<b>.564</b>	<b>5.279</b>

CUMULATIVE AVERAGE COSTS  
(MILLIONS OF CONSTANT FY81 DOLLARS)

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
56	97	5.715	.865	.048	.003	.850	7.481
57	303	3.804	1.005	.090	.314	.577	5.790
58	387	3.472	.987	.086	.333	.566	5.444
59	480	3.281	1.007	.093	.334	.564	5.279

F-101B

## UNIT COST CURVES

	CALC SLOPE	CALC FIRST COST	UNIT 100	R2
AIRFRAME	.788	18.314	3.749	.969
AIRFRAME & ENGINE	.832	16.300	4.813	.948
TOTAL FLYAWAY	.862	15.661	5.840	.947

## AIRFRAME

FY	PLOT POINT QUANTITY	FISCAL YEAR AVERAGE COST (ACTUAL, \$M)	FISCAL YEAR AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
56	31	5.715	5.610	.105	1.84
57	188	2.905	3.017	-.112	3.86
58	344	2.274	2.449	-.175	7.70
59	432	2.487	2.263	.224	9.01

## AIRFRAME &amp; ENGINE

FY	PLOT POINT QUANTITY	FISCAL YEAR AVERAGE COST (ACTUAL, \$M)	FISCAL YEAR AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
56	32	6.580	6.484	.096	1.46
57	189	3.976	4.069	-.093	2.34
58	344	3.194	3.468	-.274	8.58
59	432	3.577	3.265	.312	8.72

## TOTAL FLYAWAY

FY	PLOT POINT QUANTITY	FISCAL YEAR AVERAGE COST (ACTUAL, \$M)	FISCAL YEAR AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
56	33	7.481	7.389	.092	1.23
57	189	4.993	5.095	-.102	2.04
58	344	4.195	4.481	-.286	6.82
59	432	4.595	4.267	.328	7.14

F-101B

F-101B

## CUMULATIVE AVERAGE COST CURVES

	CALC SLOPE	CALC FIRST COST	CAC(100)	R2
AIRFRAME	.783	28.541	5.641	.999
AIRFRAME & ENGINE	.828	22.876	6.515	.998
TOTAL FLYAWAY	.857	20.657	7.419	.998

## AIRFRAME

FY	CUMULATIVE QUANTITY	CUMULATIVE AVERAGE COST (ACTUAL, \$M)	CUMULATIVE AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
--					
56	97	5.715	5.702	.013	.23
57	303	3.804	3.818	-.014	.37
58	387	3.472	3.503	-.031	.89
59	480	3.281	3.248	.033	1.01

## AIRFRAME &amp; ENGINE

FY	CUMULATIVE QUANTITY	CUMULATIVE AVERAGE COST (ACTUAL, \$M)	CUMULATIVE AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
--					
56	97	6.580	6.569	.011	.17
57	303	4.810	4.815	-.004	.10
58	387	4.459	4.504	-.045	1.01
59	480	4.288	4.247	.041	.96

## TOTAL FLYAWAY

FY	CUMULATIVE QUANTITY	CUMULATIVE AVERAGE COST (ACTUAL, \$M)	CUMULATIVE AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
--					
56	97	7.481	7.470	.011	.15
57	303	5.790	5.798	-.007	.14
58	387	5.444	5.491	-.047	.86
59	480	5.279	5.234	.045	.85

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F-101C

F-101C

PHYSICAL AND PERFORMANCE  
CHARACTERISTICS

MANUFACTURER:	MCDONNELL DOUGLAS
WING (FIXED/ROTARY):	FIXED
CTOL/VSTOL/STOL/OTHER:	CTOL
AIRFRAME PERFORMANCE:	9.69
AIRCRAFT SYSTEM PERFORMANCE:	13.35
ENGINE NUMBER:	J57-P-55
NUMBER OF ENGINES:	2
SERVICE:	AIR FORCE

F-101C

**TOTAL OBLIGATIONAL AUTHORITY  
(MILLIONS OF THEN-YEAR DOLLARS)**

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
54	8	15,360	2,309	.208	.052	.678	18,607
56	39	68,003	11,227	.622	.251	3,432	83,535

**MILLIONS OF CONSTANT FY81 DOLLARS**

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
54	8	49,870	7,497	.675	.169	2,201	60,412
56	39	204,767	33,806	1,873	.756	10,334	251,536
<b>TOTAL</b>	<b>47</b>	<b>254,637</b>	<b>41,303</b>	<b>2,548</b>	<b>.925</b>	<b>12,536</b>	<b>311,948</b>

**FISCAL YEAR LOT AVERAGE COSTS  
(MILLIONS OF CONSTANT FY81 DOLLARS)**

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
54	8	6,234	.937	.084	.021	.275	7,552
56	39	5,250	.867	.048	.019	.265	6,450
<b>TOTAL</b>	<b>47</b>	<b>5,418</b>	<b>.879</b>	<b>.054</b>	<b>.020</b>	<b>.267</b>	<b>6,637</b>

**CUMULATIVE AVERAGE COSTS  
(MILLIONS OF CONSTANT FY81 DOLLARS)**

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
54	8	6,234	.937	.084	.021	.275	7,552
56	47	5,418	.879	.054	.020	.267	6,637

F-101A/B/C

F-101A/B/C

PHYSICAL AND PERFORMANCE  
CHARACTERISTICS

MANUFACTURER:	MCDONNELL DOUGLAS
WING (FIXED/ROTARY):	FIXED
CTOL/VSTOL/STOL/OTHER:	CTOL
AIRFRAME PERFORMANCE:	9.69
AIRCRAFT SYSTEM PERFORMANCE:	13.35
ENGINE NUMBER:	J57-P-55
NUMBER OF ENGINES:	2
SERVICE:	AIR FORCE

F-101A/B/C

**TOTAL OBLIGATIONAL AUTHORITY  
(MILLIONS OF THEN-YEAR DOLLARS)**

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
54	48	92.313	14.472	1.249	.485	3.919	112.438
54	8	15.360	2.309	.208	.052	.678	18.607
56	97	184.103	27.878	1.560	.082	27.381	241.004
56	39	68.003	11.227	.622	.251	3.432	83.535
57	206	199.133	73.430	7.484	31.580	30.706	342.333
58	84	62.726	25.393	2.000	11.037	14.574	115.730
59	93	75.599	33.113	3.690	10.393	16.861	139.656

**MILLIONS OF CONSTANT FY81 DOLLARS**

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
54	48	299.718	46.987	4.055	1.575	12.724	365.058
54	8	49.870	7.497	.675	.169	2.201	60.412
56	97	554.360	83.945	4.697	.247	82.448	725.697
56	39	204.767	33.806	1.873	.756	10.334	251.536
57	206	598.356	220.643	22.488	94.892	92.266	1028.645
58	84	191.005	77.323	6.090	33.608	44.379	352.406
59	93	231.331	101.325	11.291	31.802	51.594	427.344
<b>TOTAL</b>	<b>575</b>	<b>2129.407</b>	<b>571.526</b>	<b>51.170</b>	<b>163.049</b>	<b>295.946</b>	<b>3211.098</b>

## F-101A/B/C

## F-101A/B/C

FISCAL YEAR LOT AVERAGE COSTS  
(MILLIONS OF CONSTANT FY81 DOLLARS)

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
54	48	6.244	.979	.084	.033	.265	7.605
54	8	6.234	.937	.084	.021	.275	7.552
56	97	5.715	.865	.048	.003	.850	7.481
56	39	5.250	.867	.048	.019	.265	6.450
57	206	2.905	1.071	.109	.461	.448	4.993
58	84	2.274	.921	.073	.400	.528	4.195
59	93	2.487	1.090	.121	.342	.555	4.595
TOTAL	575	3.703	.994	.089	.284	.515	5.585

CUMULATIVE AVERAGE COSTS  
(MILLIONS OF CONSTANT FY81 DOLLARS)

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
54	48	6.244	.979	.084	.033	.265	7.605
54	56	6.243	.973	.084	.031	.267	7.598
56	153	5.908	.905	.062	.013	.636	7.524
56	192	5.775	.897	.059	.014	.561	7.306
57	398	4.289	.987	.085	.245	.502	6.109
58	482	3.938	.976	.083	.272	.507	5.775
59	575	3.703	.994	.089	.284	.515	5.585

## F-101A/B/C

## UNIT COST CURVES

	CALC SLOPE	CALC FIRST COST	UNIT 100	R2
AIRFRAME	.802	19.582	4.538	.758
AIRFRAME & ENGINE	.841	17.714	5.585	.779
TOTAL FLYAWAY	.880	14.847	6.341	.782

## AIRFRAME

FY	PLOT POINT QUANTITY	FISCAL YEAR AVERAGE COST (ACTUAL, \$M)	FISCAL YEAR AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
54	16	6.244	8.070	-1.826	29.24
54	52	6.234	5.570	.664	10.65
56	100	5.715	4.541	1.174	20.54
56	173	5.250	3.816	1.434	27.31
57	287	2.905	3.245	-.340	11.70
58	439	2.274	2.836	-.562	24.71
59	528	2.487	2.675	-.188	7.56

## AIRFRAME &amp; ENGINE

FY	PLOT POINT QUANTITY	FISCAL YEAR AVERAGE COST (ACTUAL, \$M)	FISCAL YEAR AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
54	17	7.223	8.727	-1.504	20.82
54	52	7.171	6.565	.606	8.45
56	100	6.580	5.584	.996	15.14
56	173	6.117	4.871	1.246	20.37
57	288	3.976	4.285	-.309	7.77
58	439	3.194	3.853	-.659	20.63
59	528	3.577	3.680	-.103	2.88

## TOTAL FLYAWAY

FY	PLOT POINT QUANTITY	FISCAL YEAR AVERAGE COST (ACTUAL, \$M)	FISCAL YEAR AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
54	17	7.605	8.763	-1.158	15.23
54	52	7.552	7.144	.408	5.40
56	100	7.481	6.337	1.144	15.29
56	173	6.450	5.733	.717	11.12
57	288	4.993	5.215	-.222	4.45
58	439	4.195	4.823	-.628	14.97
59	528	4.595	4.662	-.067	1.46

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F-101A/B/C

## CUMULATIVE AVERAGE COST CURVES

	CALC SLOPE	FIRST COST	CAC(100)	R2
AIRFRAME	.864	15.229	5.771	--
AIRFRAME & ENGINE	.886	15.037	6.735	.871
TOTAL FLYAWAY	.917	12.978	7.291	.818

## AIRFRAME

FY	CUMULATIVE QUANTITY	CUMULATIVE AVERAGE COST (ACTUAL, \$M)	CUMULATIVE AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
--					
54	48	6.244	6.736	-.492	7.88
54	56	6.243	6.521	-.278	4.45
56	153	5.908	5.276	.632	10.70
56	192	5.775	5.030	.745	12.90
57	398	4.289	4.314	-.025	.58
58	482	3.938	4.143	-.205	5.21
59	575	3.703	3.992	-.289	7.80

## AIRFRAME &amp; ENGINE

FY	CUMULATIVE QUANTITY	CUMULATIVE AVERAGE COST (ACTUAL, \$M)	CUMULATIVE AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
--					
54	48	7.223	7.655	-.432	5.98
54	56	7.216	7.452	-.236	3.27
56	153	6.813	6.254	.559	8.20
56	192	6.672	6.011	.661	9.91
57	398	5.276	5.293	-.017	.32
58	482	4.913	5.119	-.206	4.19
59	575	4.697	4.964	-.267	5.68

## TOTAL FLYAWAY

FY	CUMULATIVE QUANTITY	CUMULATIVE AVERAGE COST (ACTUAL, \$M)	CUMULATIVE AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
--					
54	48	7.605	7.992	-.387	5.09
54	56	7.598	7.840	-.242	3.19
56	153	7.524	6.913	.611	8.12
56	192	7.306	6.719	.587	8.03
57	398	6.109	6.133	-.024	.39
58	482	5.775	5.987	-.212	3.67
59	575	5.585	5.857	-.272	4.87

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PHYSICAL AND PERFORMANCE  
CHARACTERISTICS

MANUFACTURER:	GENERAL DYNAMICS
WING (FIXED/ROTARY):	FIXED
CTOL/VSTOL/STOL/OTHER:	CTOL
AIRFRAME PERFORMANCE:	8.02
AIRCRAFT SYSTEM PERFORMANCE:	9.71
ENGINE NUMBER:	J57-P-17
NUMBER OF ENGINES:	1
SERVICE:	AIR FORCE

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**TOTAL OBLIGATIONAL AUTHORITY  
(MILLIONS OF THEN-YEAR DOLLARS)**

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
53	28	114.512	5.031	.237	.026	4.890	124.696
54	37	48.393	32.869	.410	.030	28.184	109.886
55	108	90.741	48.742	1.060	.046	17.382	157.971
56	562	324.645	77.314	5.130	.297	106.387	513.773
57	140	81.631	19.009	3.534	0.000	31.097	135.271

**MILLIONS OF CONSTANT FY81 DOLLARS**

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
53	28	384.268	16.883	.795	.087	16.409	418.443
54	37	157.120	106.718	1.331	.097	91.506	356.773
55	108	282.067	151.514	3.295	.143	54.032	491.051
56	562	977.552	232.803	15.447	.894	320.346	1547.043
57	140	245.285	57.118	10.619	0.000	93.441	406.463
<b>TOTAL</b>	<b>875</b>	<b>2046.293</b>	<b>565.036</b>	<b>31.488</b>	<b>1.222</b>	<b>575.734</b>	<b>3219.773</b>

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FISCAL YEAR LOT AVERAGE COSTS  
(MILLIONS OF CONSTANT FY81 DOLLARS)

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
53	28	13.724	.603	.028	.003	.586	14.944
54	37	4.246	2.884	.036	.003	2.473	9.643
55	108	2.612	1.403	.031	.001	.500	4.547
56	562	1.739	.414	.027	.002	.570	2.753
57	140	1.752	.408	.076	0.000	.667	2.903
<b>TOTAL</b>	<b>875</b>	<b>2.339</b>	<b>.646</b>	<b>.036</b>	<b>.001</b>	<b>.658</b>	<b>3.680</b>

CUMULATIVE AVERAGE COSTS  
(MILLIONS OF CONSTANT FY81 DOLLARS)

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
53	28	13.724	.603	.028	.003	.586	14.944
54	65	8.329	1.902	.033	.003	1.660	11.926
55	173	4.760	1.590	.031	.002	.936	7.319
56	735	2.450	.691	.028	.002	.656	3.828
57	875	2.339	.646	.036	.001	.658	3.680

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## UNIT COST CURVES

	CALC SLOPE	CALC FIRST COST	UNIT 100	R2
AIRFRAME	.724	30.450	3.560	.921
AIRFRAME & ENGINE	.730	38.318	4.722	.976
TOTAL FLYAWAY	.751	38.560	5.768	.944

## AIRFRAME

FY	PLOT POINT QUANTITY	FISCAL YEAR AVERAGE COST (ACTUAL, \$M)	FISCAL YEAR AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
--	-----	-----	-----	-----	-----
53	9	13.724	10.730	2.994	21.82
54	45	4.246	5.157	-.911	21.46
55	113	2.612	3.360	-.748	28.64
56	407	1.739	1.851	-.112	6.44
57	804	1.752	1.348	.404	23.06

## AIRFRAME &amp; ENGINE

FY	PLOT POINT QUANTITY	FISCAL YEAR AVERAGE COST (ACTUAL, \$M)	FISCAL YEAR AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
--	-----	-----	-----	-----	-----
53	9	14.327	13.819	.508	3.55
54	45	7.131	6.778	.353	4.95
55	113	4.015	4.462	-.447	11.13
56	407	2.154	2.493	-.339	15.74
57	804	2.160	1.830	.330	15.28

## TOTAL FLYAWAY

FY	PLOT POINT QUANTITY	FISCAL YEAR AVERAGE COST (ACTUAL, \$M)	FISCAL YEAR AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
--	-----	-----	-----	-----	-----
53	10	14.944	15.165	-.221	1.48
54	45	9.643	8.003	1.640	17.01
55	113	4.547	5.476	-.929	20.43
56	409	2.753	3.227	-.474	17.22
57	804	2.903	2.441	.462	15.91

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## CUMULATIVE AVERAGE COST CURVES

	CALC SLOPE	FIRST COST	CAC(100)	R2
AIRFRAME	.701	72.023	6.802	.996
AIRFRAME & ENGINE	.724	69.361	8.125	.999
TOTAL FLYAWAY	.744	65.393	9.206	.994

## AIRFRAME

FY	CUMULATIVE QUANTITY	CUMULATIVE AVERAGE COST (ACTUAL, \$M)	CUMULATIVE AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
53	28	13.724	13.060	.664	4.84
54	65	8.329	8.482	-.153	1.84
55	173	4.760	5.137	-.377	7.92
56	735	2.450	2.448	.002	.08
57	875	2.339	2.239	.100	4.28

## AIRFRAME &amp; ENGINE

FY	CUMULATIVE QUANTITY	CUMULATIVE AVERAGE COST (ACTUAL, \$M)	CUMULATIVE AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
53	28	14.327	14.698	-.371	2.59
54	65	10.231	9.930	.301	2.94
55	173	6.350	6.295	.055	.87
56	735	3.141	3.210	-.069	2.20
57	875	2.984	2.959	.025	.84

## TOTAL FLYAWAY

FY	CUMULATIVE QUANTITY	CUMULATIVE AVERAGE COST (ACTUAL, \$M)	CUMULATIVE AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
53	28	14.944	15.828	-.884	5.92
54	65	11.926	11.059	.867	7.27
55	173	7.319	7.290	.029	.40
56	735	3.828	3.938	-.110	2.87
57	875	3.680	3.656	.024	.65

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F-104A

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PHYSICAL AND PERFORMANCE  
CHARACTERISTICS

MANUFACTURER:	LOCKHEED
WING (FIXED/ROTARY):	FIXED
CTOL/VSTOL/STOL/OTHER:	CTOL
AIRFRAME PERFORMANCE:	6.64
AIRCRAFT SYSTEM PERFORMANCE:	6.79
ENGINE NUMBER:	J79-GE-3A
NUMBER OF ENGINES:	1
SERVICE:	AIR FORCE

## F-104A

TOTAL OBLIGATIONAL AUTHORITY  
(MILLIONS OF THEN-YEAR DOLLARS)

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
55	17	64.651	21.655	.177	.942	.765	88.190*
56	153	109.902	84.495	.404	3.620	3.108	201.529

## MILLIONS OF CONSTANT FY81 DOLLARS

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
55	17	200.967	67.314	.550	2.928	2.378	274.137*
56	153	330.930	254.426	1.217	10.900	9.359	606.832
<b>TOTAL</b>	<b>170</b>	<b>531.897</b>	<b>321.741</b>	<b>1.767</b>	<b>13.829</b>	<b>11.737</b>	<b>880.970</b>

FISCAL YEAR LOT AVERAGE COSTS  
(MILLIONS OF CONSTANT FY81 DOLLARS)

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
55	17	11.822	3.960	.032	.172	.140	16.126*
56	153	2.163	1.663	.008	.071	.061	3.966
<b>TOTAL</b>	<b>170</b>	<b>3.129</b>	<b>1.893</b>	<b>.010</b>	<b>.081</b>	<b>.069</b>	<b>5.182</b>

CUMULATIVE AVERAGE COSTS  
(MILLIONS OF CONSTANT FY81 DOLLARS)

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
56	153	2.163	1.663	.008	.071	.061	3.966

\*\* = R&amp;D LOT DATA

F-104B

F-104B

PHYSICAL AND PERFORMANCE  
CHARACTERISTICS

MANUFACTURER:	LOCKHEED
WING (FIXED/ROTARY):	FIXED
CTOL/VSTOL/STOL/OTHER:	CTOL
AIRFRAME PERFORMANCE:	6.64
AIRCRAFT SYSTEM PERFORMANCE:	6.79
ENGINE NUMBER:	J79-GE-3A
NUMBER OF ENGINES:	1
SERVICE:	AIR FORCE

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**TOTAL OBLIGATIONAL AUTHORITY  
(MILLIONS OF THEN-YEAR DOLLARS)**

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
56	6	28.720	3.314	.020	.145	.119	32.318*
57	20	16.946	5.423	.324	1.401	5.913	30.007

**MILLIONS OF CONSTANT FY81 DOLLARS**

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
56	6	86.480	9.979	.060	.437	.358	97.314*
57	20	50.919	16.295	.974	4.210	17.767	90.165
<b>TOTAL</b>	<b>26</b>	<b>137.399</b>	<b>26.274</b>	<b>1.034</b>	<b>4.646</b>	<b>18.126</b>	<b>187.479</b>

**FISCAL YEAR LOT AVERAGE COSTS  
(MILLIONS OF CONSTANT FY81 DOLLARS)**

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
56	6	14.413	1.663	.010	.073	.060	16.219*
57	20	2.546	.815	.049	.210	.888	4.508
<b>TOTAL</b>	<b>26</b>	<b>5.285</b>	<b>1.011</b>	<b>.040</b>	<b>.179</b>	<b>.697</b>	<b>7.211</b>

**CUMULATIVE AVERAGE COSTS  
(MILLIONS OF CONSTANT FY81 DOLLARS)**

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
57	20	2.546	.815	.049	.210	.888	4.508

\* = R&D LOT DATA

F-104C

F-104C

PHYSICAL AND PERFORMANCE  
CHARACTERISTICS

MANUFACTURER:	LOCKHEED
WING (FIXED/ROTARY):	FIXED
CTOL/VSTOL/STOL/OTHER:	CTOL
AIRFRAME PERFORMANCE:	6.64
AIRCRAFT SYSTEM PERFORMANCE:	6.79
ENGINE NUMBER:	J79-GE-7
NUMBER OF ENGINES:	1
SERVICE:	AIR FORCE

## F-104C

TOTAL OBLIGATIONAL AUTHORITY  
(MILLIONS OF THEN-YEAR DOLLARS)

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
56	56	41.568	30.926	.081	1.325	1.049	74.949
57	21	24.901	5.551	.321	2.115	6.000	38.888

## MILLIONS OF CONSTANT FY81 DOLLARS

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
56	56	125.167	93.123	.244	3.990	3.159	225.682
57	21	74.823	16.680	.965	6.355	18.029	116.851
<b>TOTAL</b>	<b>77</b>	<b>199.990</b>	<b>109.802</b>	<b>1.208</b>	<b>10.345</b>	<b>21.188</b>	<b>342.533</b>

FISCAL YEAR LOT AVERAGE COSTS  
(MILLIONS OF CONSTANT FY81 DOLLARS)

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
56	56	2.235	1.663	.004	.071	.056	4.030
57	21	3.563	.794	.046	.303	.859	5.564
<b>TOTAL</b>	<b>77</b>	<b>2.597</b>	<b>1.426</b>	<b>.016</b>	<b>.134</b>	<b>.275</b>	<b>4.448</b>

CUMULATIVE AVERAGE COSTS  
(MILLIONS OF CONSTANT FY81 DOLLARS)

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
56	56	2.235	1.663	.004	.071	.056	4.030
57	77	2.597	1.426	.016	.134	.275	4.448

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F-104D

PHYSICAL AND PERFORMANCE  
CHARACTERISTICS

MANUFACTURER:	LOCKHEED
WING (FIXED/ROTARY):	FIXED
CTOL/VSTOL/STOL/OTHER:	CTOL
AIRFRAME PERFORMANCE:	6.64
AIRCRAFT SYSTEM PERFORMANCE:	6.79
ENGINE NUMBER:	J79-GE-7
NUMBER OF ENGINES:	1
SERVICE:	AIR FORCE

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**TOTAL OBLIGATIONAL AUTHORITY  
(MILLIONS OF THEN-YEAR DOLLARS)**

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
57	21	18.353	5.694	.340	1.471	5.649	31.507

**MILLIONS OF CONSTANT FY81 DOLLARS**

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
57	21	55.147	17.109	1.022	4.420	16.974	94.672
<b>TOTAL</b>	<b>21</b>	<b>55.147</b>	<b>17.109</b>	<b>1.022</b>	<b>4.420</b>	<b>16.974</b>	<b>94.672</b>

**FISCAL YEAR LOT AVERAGE COSTS  
(MILLIONS OF CONSTANT FY81 DOLLARS)**

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
57	21	2.626	.815	.049	.210	.808	4.508
<b>TOTAL</b>	<b>21</b>	<b>2.626</b>	<b>.815</b>	<b>.049</b>	<b>.210</b>	<b>.808</b>	<b>4.508</b>

**CUMULATIVE AVERAGE COSTS  
(MILLIONS OF CONSTANT FY81 DOLLARS)**

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
57	21	2.626	.815	.049	.210	.808	4.508

F-104A/B/C/D

F-104A/B/C/D

PHYSICAL AND PERFORMANCE  
CHARACTERISTICS

MANUFACTURER:	LOCKHEED
WING (FIXED/ROTARY):	FIXED
CTOL/VSTOL/STOL/OTHER:	CTOL
AIRFRAME PERFORMANCE:	6.64
AIRCRAFT SYSTEM PERFORMANCE:	6.79
ENGINE NUMBER:	J79-GE-7
NUMBER OF ENGINES:	1
SERVICE:	AIR FORCE

F-104A/B/C/D

**TOTAL OBLIGATIONAL AUTHORITY  
(MILLIONS OF THEN-YEAR DOLLARS)**

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
56	153	109.902	84.495	.404	3.620	3.108	201.529
56	56	41.568	30.926	.081	1.325	1.049	74.949
57	20	16.946	5.423	.324	1.401	5.913	30.007
57	21	24.901	5.551	.321	2.115	6.000	38.888
57	21	18.353	5.694	.340	1.471	5.649	31.507

**MILLIONS OF CONSTANT FY81 DOLLARS**

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
56	153	330.930	254.426	1.217	10.900	9.359	606.832
56	56	125.167	93.123	.244	3.990	3.159	225.682
57	20	50.919	16.295	.974	4.210	17.767	90.165
57	21	74.823	16.680	.965	6.355	18.029	116.851
57	21	55.147	17.109	1.022	4.420	16.974	94.672
TOTAL	271	636.987	397.633	4.420	29.875	65.288	1134.203

F-104A/B/C/D

F-104A/B/C/D

FISCAL YEAR LOT AVERAGE COSTS  
(MILLIONS OF CONSTANT FY81 DOLLARS)

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
56	153	2.163	1.663	.008	.071	.061	3.966
56	56	2.235	1.663	.004	.071	.056	4.030
57	20	2.546	.815	.049	.210	.888	4.508
57	21	3.563	.794	.046	.303	.859	5.564
57	21	2.626	.815	.049	.210	.808	4.508
TOTAL	271	2.351	1.467	.016	.110	.241	4.185

CUMULATIVE AVERAGE COSTS  
(MILLIONS OF CONSTANT FY81 DOLLARS)

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
56	153	2.163	1.663	.008	.071	.061	3.966
56	209	2.182	1.663	.007	.071	.060	3.983
57	229	2.214	1.589	.011	.083	.132	4.029
57	250	2.327	1.522	.014	.102	.193	4.158
57	271	2.351	1.467	.016	.110	.241	4.185

## F-104A/B/C/D

## UNIT COST CURVES

	CALC SLOPE	CALC FIRST COST	UNIT 100	R2
AIRFRAME	1.154	.892	2.307	.373
AIRFRAME & ENGINE	.986	4.185	3.802	.016
TOTAL FLYAWAY	1.101	2.194	4.156	.374

## AIRFRAME

FY	PLOT POINT QUANTITY	FISCAL YEAR AVERAGE COST (ACTUAL, \$M)	FISCAL YEAR AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
56	63	2.163	2.094	.069	3.19
56	181	2.235	2.607	-.372	16.64
57	219	2.546	2.713	-.167	6.56
57	240	3.563	2.764	.799	22.42
57	261	2.626	2.812	-.186	7.08

## AIRFRAME &amp; ENGINE

FY	PLOT POINT QUANTITY	FISCAL YEAR AVERAGE COST (ACTUAL, \$M)	FISCAL YEAR AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
56	57	3.826	3.846	-.020	.52
56	181	3.898	3.755	.143	3.67
57	219	3.361	3.740	-.379	11.28
57	240	4.357	3.733	.624	14.32
57	261	3.441	3.726	-.285	8.28

## TOTAL FLYAWAY

FY	PLOT POINT QUANTITY	FISCAL YEAR AVERAGE COST (ACTUAL, \$M)	FISCAL YEAR AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
56	61	3.966	3.880	.086	2.17
56	181	4.030	4.512	-.482	11.96
57	219	4.508	4.635	-.127	2.82
57	240	5.564	4.692	.872	15.67
57	261	4.508	4.747	-.239	5.30

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F-104A/B/C/D

## CUMULATIVE AVERAGE COST CURVES

	CALC SLOPE	CALC FIRST COST	CAC(100)	R2
AIRFRAME	-----	-----	-----	--
AIRFRAME & ENGINE	1.107	1.022	2.004	.723
TOTAL FLYAWAY	1.068	2.437	3.830	.001
			3.773	.718

## AIRFRAME

FY	CUMULATIVE QUANTITY	CUMULATIVE AVERAGE COST (ACTUAL, \$M)	CUMULATIVE AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
56	153	2.163	2.132	.031	1.43
56	209	2.182	2.232	-.050	2.29
57	229	2.214	2.262	-.048	2.17
57	250	2.327	2.291	.036	1.55
57	271	2.351	2.318	.033	1.40

## AIRFRAME &amp; ENGINE

FY	CUMULATIVE QUANTITY	CUMULATIVE AVERAGE COST (ACTUAL, \$M)	CUMULATIVE AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
56	153	3.826	3.829	-.002	.08
56	209	3.845	3.828	.017	.44
57	229	3.803	3.828	-.025	.66
57	250	3.849	3.828	.021	.55
57	271	3.818	3.828	-.009	.26

## TOTAL FLYAWAY

FY	CUMULATIVE QUANTITY	CUMULATIVE AVERAGE COST (ACTUAL, \$M)	CUMULATIVE AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
56	153	3.966	3.929	.037	.93
56	209	3.983	4.047	-.064	1.61
57	229	4.029	4.082	-.053	1.32
57	250	4.158	4.116	.042	1.01
57	271	4.185	4.148	.037	.88

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PHYSICAL AND PERFORMANCE  
CHARACTERISTICS

MANUFACTURER:	REPUBLIC
WING (FIXED/ROTARY):	FIXED
CTOL/VSTOL/STOL/OTHER:	CTOL
AIRFRAME PERFORMANCE:	11.68
AIRCRAFT SYSTEM PERFORMANCE:	14.86
ENGINE NUMBER:	J75-P-3
NUMBER OF ENGINES:	1
SERVICE:	AIR FORCE

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TOTAL OBLIGATIONAL AUTHORITY  
(MILLIONS OF THEN-YEAR DOLLARS)

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
54	4	52.366	2.534	.117	.341	.072	55.430*
55	6	47.282	3.180	.343	.249	.331	51.385*
57	65	225.225	19.430	10.887	7.259	8.761	271.542

MILLIONS OF CONSTANT FY81 DOLLARS

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
54	4	170.019	8.227	.380	1.107	.234	179.968*
55	6	146.975	9.885	1.066	.774	1.029	159.730*
57	65	676.758	58.383	32.713	21.752	26.325	815.931
TOTAL	75	993.753	76.496	34.159	23.633	27.588	1155.629

FISCAL YEAR LOT AVERAGE COSTS  
(MILLIONS OF CONSTANT FY81 DOLLARS)

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
54	4	42.505	2.057	.095	.277	.058	44.992*
55	6	24.496	1.647	.178	.129	.171	26.622*
57	65	10.412	.898	.503	.335	.405	12.553
TOTAL	75	13.250	1.020	.455	.315	.368	15.408

CUMULATIVE AVERAGE COSTS  
(MILLIONS OF CONSTANT FY81 DOLLARS)

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
57	65	10.412	.898	.503	.335	.405	12.553

\* = R&D LOT DATA

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## UNIT COST CURVES

	CALC SLOPE	CALC FIRST COST	UNIT 100	R2
AIRFRAME	0.000	0.000	0.000	0.000
AIRFRAME & ENGINE	0.000	0.000	0.000	0.000
TOTAL FLYAWAY	0.000	0.000	0.000	0.000

## AIRFRAME

FY	PLOT POINT QUANTITY	FISCAL YEAR AVERAGE COST (ACTUAL, \$M)	FISCAL YEAR AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
--	-----	-----	-----	-----	-----
57	27	10.412	0.000	10.412	100.00

## AIRFRAME &amp; ENGINE

FY	PLOT POINT QUANTITY	FISCAL YEAR AVERAGE COST (ACTUAL, \$M)	FISCAL YEAR AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
--	-----	-----	-----	-----	-----
57	25	11.310	0.000	11.310	100.00

## TOTAL FLYAWAY

FY	PLOT POINT QUANTITY	FISCAL YEAR AVERAGE COST (ACTUAL, \$M)	FISCAL YEAR AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
--	-----	-----	-----	-----	-----
57	26	12.553	0.000	12.553	100.00

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## CUMULATIVE AVERAGE COST CURVES

	CALC SLOPE	CALC FIRST COST	CAC(100)	R2
AIRFRAME	0.000	0.000	0.000	0.000
AIRFRAME & ENGINE	0.000	0.000	0.000	0.000
TOTAL FLYAWAY	0.000	0.000	0.000	0.000

## AIRFRAME

FY	CUMULATIVE QUANTITY	CUMULATIVE AVERAGE COST (ACTUAL, \$M)	CUMULATIVE AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
--	-----	-----	-----	-----	-----
57	65	10.412	0.000	10.412	100.00

## AIRFRAME &amp; ENGINE

FY	CUMULATIVE QUANTITY	CUMULATIVE AVERAGE COST (ACTUAL, \$M)	CUMULATIVE AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
--	-----	-----	-----	-----	-----
57	65	11.310	0.000	11.310	100.00

## TOTAL FLYAWAY

FY	CUMULATIVE QUANTITY	CUMULATIVE AVERAGE COST (ACTUAL, \$M)	CUMULATIVE AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
--	-----	-----	-----	-----	-----
57	65	12.553	0.000	12.553	100.00

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PHYSICAL AND PERFORMANCE  
CHARACTERISTICS

MANUFACTURER:	REPUBLIC
WING (FIXED/ROTARY):	FIXED
CTOL/VSTOL/STOL/OTHER:	CTOL
AIRFRAME PERFORMANCE:	11.68
AIRCRAFT SYSTEM PERFORMANCE:	14.86
ENGINE NUMBER:	J75-P-19W
NUMBER OF ENGINES:	1
SERVICE:	AIR FORCE

## F-105D

**TOTAL OBLIGATIONAL AUTHORITY  
(MILLIONS OF THEN-YEAR DOLLARS)**

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
58	28	120.714	7.880	6.480	.448	7.307	144.829
59	68	139.980	19.184	15.015	1.093	16.718	191.990
60	139	194.817	34.419	22.360	1.812	23.111	276.519
61	180	222.120	0.000	0.000	0.000	0.000	335.340
62	195	229.320	0.000	0.000	0.000	0.000	326.820

**MILLIONS OF CONSTANT FY81 DOLLARS**

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
58	28	367.582	23.995	19.732	1.364	22.250	441.014
59	68	428.335	58.703	45.946	3.345	51.157	587.485
60	139	592.329	104.649	67.984	5.509	70.268	840.739
61	180	679.682	0.000	0.000	0.000	0.000	1026.132
62	195	700.428	0.000	0.000	0.000	0.000	998.228
<b>TOTAL</b>	<b>610</b>	<b>2768.356</b>	<b>187.347</b>	<b>133.662</b>	<b>10.218</b>	<b>143.675</b>	<b>3893.598</b>

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FISCAL YEAR LOT AVERAGE COSTS  
(MILLIONS OF CONSTANT FY81 DOLLARS)

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
58	28	13.128	.857	.705	.049	.795	15.751
59	68	6.299	.863	.676	.049	.752	8.639
60	139	4.261	.753	.489	.040	.506	6.048
61	180	3.776	0.000	0.000	0.000	0.000	5.701
62	195	3.592	0.000	0.000	0.000	0.000	5.119
TOTAL	610	4.538	.307	.219	.017	.236	6.383

CUMULATIVE AVERAGE COSTS  
(MILLIONS OF CONSTANT FY81 DOLLARS)

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
58	28	13.128	.857	.705	.049	.795	15.751
59	96	8.291	.861	.684	.049	.765	10.714
60	235	5.907	.797	.569	.043	.611	7.954
61	415	4.983	.451	.322	.025	.346	6.977
62	610	4.538	.307	.219	.017	.236	6.383

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## UNIT COST CURVES

	CALC SLOPE	FIRST COST	UNIT 100	R2
AIRFRAME	.791	26.657	5.593	.971
AIRFRAME & ENGINE	.782	30.905	6.007	.994
TOTAL FLYAWAY	.818	29.284	7.705	.975

## AIRFRAME

FY	PLOT POINT QUANTITY	FISCAL YEAR AVERAGE COST (ACTUAL, \$M)	FISCAL YEAR AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
58	10	13.128	12.245	.883	6.73
59	58	6.299	6.726	-.427	6.78
60	159	4.261	4.777	-.516	12.11
61	320	3.776	3.770	.006	.16
62	508	3.592	3.221	.371	10.33

## AIRFRAME &amp; ENGINE

FY	PLOT POINT QUANTITY	FISCAL YEAR AVERAGE COST (ACTUAL, \$M)	FISCAL YEAR AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
58	10	13.985	13.701	.284	2.03
59	58	7.162	7.293	-.131	1.83
60	159	5.013	5.093	-.079	1.58
61	320	3.776	3.973	-.197	5.22
62	508	3.592	3.368	.224	6.24

## TOTAL FLYAWAY

FY	PLOT POINT QUANTITY	FISCAL YEAR AVERAGE COST (ACTUAL, \$M)	FISCAL YEAR AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
58	10	15.751	14.968	.783	4.97
59	58	8.639	9.015	-.376	4.35
60	159	6.048	6.731	-.683	11.29
61	320	5.701	5.500	.201	3.53
62	508	5.119	4.807	.312	6.09

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## CUMULATIVE AVERAGE COST CURVES

	CALC SLOPE	CALC FIRST COST	CAC(100)	R2
AIRFRAME	.785	41.405	8.257	.996
AIRFRAME & ENGINE	.786	44.426	9.001	1.000
TOTAL FLYAWAY	.814	41.790	10.637	.996

## AIRFRAME

FY	CUMULATIVE QUANTITY	CUMULATIVE AVERAGE COST (ACTUAL, \$M)	CUMULATIVE AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
58	28	13.128	12.894	-.254	1.78
59	96	8.291	8.376	-.085	1.03
60	235	5.907	6.122	-.215	3.64
61	415	4.983	5.017	-.034	.68
62	610	4.538	4.384	.154	3.39

## AIRFRAME &amp; ENGINE

FY	CUMULATIVE QUANTITY	CUMULATIVE AVERAGE COST (ACTUAL, \$M)	CUMULATIVE AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
58	28	13.985	13.994	-.008	.06
59	96	9.152	9.129	.023	.25
60	235	6.705	6.693	.012	.18
61	415	5.434	5.496	-.062	1.14
62	610	4.845	4.809	.036	.74

## TOTAL FLYAWAY

FY	CUMULATIVE QUANTITY	CUMULATIVE AVERAGE COST (ACTUAL, \$M)	CUMULATIVE AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
58	28	15.751	15.527	.224	1.42
59	96	10.714	10.767	-.053	.49
60	235	7.954	8.253	-.299	3.76
61	415	6.977	6.970	.007	.10
62	610	6.383	6.210	.167	2.62

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PHYSICAL AND PERFORMANCE  
CHARACTERISTICS

MANUFACTURER:	REPUBLIC
WING (FIXED/ROTARY):	FIXED
CTOL/VSTOL/STOL/OTHER:	CTOL
AIRFRAME PERFORMANCE:	11.68
AIRCRAFT SYSTEM PERFORMANCE:	14.86
ENGINE NUMBER:	J75-P-19W
NUMBER OF ENGINES:	1
SERVICE:	AIR FORCE

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**TOTAL OBLIGATIONAL AUTHORITY  
(MILLIONS OF THEN-YEAR DOLLARS)**

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
62	36	74.556	0.000	0.000	0.000	0.000	95.616
63	107	136.853	0.000	0.000	0.000	0.000	224.704

**MILLIONS OF CONSTANT FY81 DOLLARS**

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
62	36	227.721	0.000	0.000	0.000	0.000	292.046
63	107	410.970	0.000	0.000	0.000	0.000	674.787
<b>TOTAL</b>	<b>143</b>	<b>638.691</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>966.833</b>

**FISCAL YEAR LOT AVERAGE COSTS  
(MILLIONS OF CONSTANT FY81 DOLLARS)**

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
62	36	6.326	0.000	0.000	0.000	0.000	8.112
63	107	3.841	0.000	0.000	0.000	0.000	6.306
<b>TOTAL</b>	<b>143</b>	<b>4.466</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>6.761</b>

**CUMULATIVE AVERAGE COSTS  
(MILLIONS OF CONSTANT FY81 DOLLARS)**

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
62	36	6.326	0.000	0.000	0.000	0.000	8.112
63	143	4.466	0.000	0.000	0.000	0.000	6.761

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F-105B/D

PHYSICAL AND PERFORMANCE  
CHARACTERISTICS

MANUFACTURER:	REPUBLIC
WING (FIXED/ROTARY):	FIXED
CTOL/VSTOL/STOL/OTHER:	CTOL
AIRFRAME PERFORMANCE:	11.68
AIRCRAFT SYSTEM PERFORMANCE:	14.86
ENGINE NUMBER:	J75-P-19W
NUMBER OF ENGINES:	1
SERVICE:	AIR FORCE

## F-105B/D

TOTAL OBLIGATIONAL AUTHORITY  
(MILLIONS OF THEN-YEAR DOLLARS)

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
57	65	225.225	19.430	10.887	7.239	8.761	271.542
58	28	120.714	7.880	6.480	.448	7.307	144.829
59	68	139.980	19.184	15.015	1.093	16.718	191.990
60	139	194.817	34.419	22.350	1.812	23.111	276.519
61	180	222.120	0.000	0.000	0.000	0.000	335.340
62	195	229.320	0.000	0.000	0.000	0.000	326.825

## MILLIONS OF CONSTANT FY81 DOLLARS

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
57	65	676.758	58.383	32.713	21.752	26.325	815.931
58	29	367.582	23.995	19.732	1.364	22.250	441.014
59	68	428.335	58.703	45.946	3.345	51.157	587.485
60	139	592.329	104.649	67.984	5.509	70.268	840.739
61	180	679.682	0.000	0.000	0.000	0.000	1026.132
62	195	700.428	0.000	0.000	0.000	0.000	998.228
TOTAL	675	3445.114	245.730	166.375	31.970	170.000	4709.530

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FISCAL YEAR LOT AVERAGE COSTS  
(MILLIONS OF CONSTANT FY81 DOLLARS)

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
57	65	10.412	.898	.503	.335	.405	12.553
58	28	13.128	.857	.705	.049	.795	15.751
59	68	6.299	.863	.676	.049	.752	8.639
60	139	4.261	.753	.489	.040	.506	6.048
61	180	3.776	0.000	0.000	0.000	0.000	5.701
62	195	3.592	0.000	0.000	0.000	0.000	5.119
<b>TOTAL</b>	<b>675</b>	<b>5.104</b>	<b>.364</b>	<b>.246</b>	<b>.047</b>	<b>.252</b>	<b>6.977</b>

CUMULATIVE AVERAGE COSTS  
(MILLIONS OF CONSTANT FY81 DOLLARS)

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
57	65	10.412	.898	.503	.335	.405	12.553
58	93	11.229	.886	.564	.249	.522	13.516
59	161	9.147	.876	.611	.164	.619	11.456
60	300	6.883	.819	.555	.107	.567	8.951
61	480	5.718	.512	.347	.067	.354	7.732
62	675	5.104	.364	.246	.047	.252	6.977

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## UNIT COST CURVES

	CALC SLOPE	CALC FIRST COST	UNIT 100	R2
AIRFRAME	.759	44.017	7.073	.752
AIRFRAME & ENGINE	.749	52.148	7.659	.779
TOTAL FLYAWAY	.794	43.181	9.335	.742

## AIRFRAME

FY	PLOT POINT QUANTITY	FISCAL YEAR AVERAGE COST (ACTUAL, \$M)	FISCAL YEAR AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
57	21	10.412	13.219	-2.807	26.96
58	79	13.128	7.770	5.358	40.81
59	125	6.299	6.466	-.167	2.65
60	226	4.261	5.117	-.856	20.09
61	385	3.776	4.139	-.363	9.61
62	574	3.592	3.534	.058	1.61

## AIRFRAME &amp; ENGINE

FY	PLOT POINT QUANTITY	FISCAL YEAR AVERAGE COST (ACTUAL, \$M)	FISCAL YEAR AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
57	20	11.310	14.830	-3.520	31.12
58	79	13.985	8.453	5.532	39.56
59	125	7.162	6.972	.190	2.65
60	226	5.014	5.454	-.440	8.78
61	385	3.776	4.366	-.590	15.63
62	574	3.592	3.699	-.107	2.98

## TOTAL FLYAWAY

FY	PLOT POINT QUANTITY	FISCAL YEAR AVERAGE COST (ACTUAL, \$M)	FISCAL YEAR AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
57	21	12.553	15.578	-3.025	24.10
58	79	15.751	10.098	5.653	35.89
59	125	8.639	8.657	-.018	.21
60	226	6.048	7.115	-.1067	17.64
61	385	5.701	5.958	-.257	4.51
62	574	5.119	5.219	-.100	1.95

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## CUMULATIVE AVERAGE COST CURVES

	CALC SLOPE	CALC FIRST COST	CAC(100)	R2
AIRFRAME	.788	49.015	10.047	.951
AIRFRAME & ENGINE	.788	53.442	10.952	.948
TOTAL FLYAWAY	.821	45.591	12.280	.943

## AIRFRAME

FY	CUMULATIVE QUANTITY	CUMULATIVE AVERAGE COST (ACTUAL, \$M)	CUMULATIVE AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
57	65	10.412	11.652	-.240	11.91
58	93	11.229	10.301	.928	8.26
59	161	9.147	8.528	.619	6.77
60	300	6.883	6.884	.000	.01
61	480	5.718	5.856	-.138	2.41
62	675	5.104	5.207	-.103	2.02

## AIRFRAME &amp; ENGINE

FY	CUMULATIVE QUANTITY	CUMULATIVE AVERAGE COST (ACTUAL, \$M)	CUMULATIVE AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
57	65	11.310	12.702	-.392	12.31
58	93	12.115	11.229	.886	7.31
59	161	10.023	9.296	.727	7.25
60	300	7.702	7.503	.199	2.58
61	480	6.230	6.382	-.152	2.44
62	675	5.468	5.676	-.208	3.80

## TOTAL FLYAWAY

FY	CUMULATIVE QUANTITY	CUMULATIVE AVERAGE COST (ACTUAL, \$M)	CUMULATIVE AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
57	65	12.553	13.883	-.330	10.60
58	93	13.516	12.537	.979	7.24
59	161	11.456	10.722	.734	6.41
60	300	8.951	8.981	-.030	.34
61	480	7.732	7.855	-.123	1.59
62	675	6.977	7.128	-.151	2.16

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PHYSICAL AND PERFORMANCE  
CHARACTERISTICS

MANUFACTURER:	GENERAL DYNAMICS
WING (FIXED/ROTARY):	FIXED
CTOL/VSTOL/STOL/OTHER:	1
AIRFRAME PERFORMANCE:	9.58
AIRCRAFT SYSTEM PERFORMANCE:	13.05
ENGINE NUMBER:	J75-P-17
NUMBER OF ENGINES:	1
SERVICE:	AIR FORCE

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**TOTAL OBLIGATIONAL AUTHORITY  
(MILLIONS OF THEN-YEAR DOLLARS)**

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
--	--	-----	-----	-----	-----	-----	-----
56	17	156.825	5.353	.065	.010	8.540	170.793*
57	72	170.238	21.050	3.010	97.083	1.616	292.997
58	40	60.716	11.504	1.600	38.594	5.522	117.936
59	148	165.696	34.301	16.100	86.349	18.844	321.290

**MILLIONS OF CONSTANT FY81 DOLLARS**

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
--	--	-----	-----	-----	-----	-----	-----
56	17	472.222	16.119	.196	.030	25.715	514.282*
57	72	511.532	63.251	9.044	291.716	4.856	880.400
58	40	184.884	35.030	4.872	117.521	16.815	359.123
59	148	507.026	104.960	49.266	264.226	57.662	983.140
TOTAL	277	1675.665	219.361	63.378	673.493	105.048	2736.944

\*\* = R&D LOT DATA

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FISCAL YEAR LOT AVERAGE COSTS  
(MILLIONS OF CONSTANT FY81 DOLLARS)

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
56	17	27.778	.948	.012	.002	1.513	30.252*
57	72	7.105	.878	.126	4.052	.067	12.228
58	40	4.622	.876	.122	2.938	.420	8.978
59	148	3.426	.709	.333	1.785	.390	6.643
TOTAL	277	6.049	.792	.229	2.431	.379	9.881

CUMULATIVE AVERAGE COSTS  
(MILLIONS OF CONSTANT FY81 DOLLARS)

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
57	72	7.105	.878	.126	4.052	.067	12.228
58	112	6.218	.878	.124	3.654	.193	11.067
59	260	4.629	.782	.243	2.590	.305	8.549

\* = R&amp;D LOT DATA

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## UNIT COST CURVES

	CALC SLOPE	CALC FIRST COST	UNIT 100	R2
AIRFRAME	.784	21.756	4.315	.992
AIRFRAME & ENGINE	.802	22.194	5.125	.987
TOTAL FLYAWAY	.816	31.757	8.223	.968

## AIRFRAME

FY	PLOT POINT QUANTITY	FISCAL YEAR AVERAGE COST (ACTUAL, \$M)	FISCAL YEAR AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
57	23	7.105	7.193	-.088	1.24
58	92	4.622	4.452	.170	3.68
59	180	3.426	3.513	-.087	2.54

## AIRFRAME &amp; ENGINE

FY	PLOT POINT QUANTITY	FISCAL YEAR AVERAGE COST (ACTUAL, \$M)	FISCAL YEAR AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
57	24	7.983	8.096	-.113	1.42
58	92	5.498	5.272	.226	4.11
59	180	4.135	4.252	-.117	2.83

## TOTAL FLYAWAY

FY	PLOT POINT QUANTITY	FISCAL YEAR AVERAGE COST (ACTUAL, \$M)	FISCAL YEAR AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
57	24	12.228	12.485	-.257	2.10
58	92	8.978	8.439	.539	6.00
59	180	6.643	6.922	-.279	4.20

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## CUMULATIVE AVERAGE COST CURVES

	CALC SLOPE	FIRST COST	CAC(100)	R2
AIRFRAME	.792	30.065	6.401	.999
AIRFRAME & ENGINE	.809	29.682	7.270	.998
TOTAL FLYAWAY	.822	41.327	11.255	.995

## AIRFRAME

FY	CUMULATIVE QUANTITY	CUMULATIVE AVERAGE COST (ACTUAL, \$M)	CUMULATIVE AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
57	72	7.105	7.147	-.042	.59
58	112	6.218	6.161	.057	.92
59	260	4.629	4.643	-.014	.30

## AIRFRAME &amp; ENGINE

FY	CUMULATIVE QUANTITY	CUMULATIVE AVERAGE COST (ACTUAL, \$M)	CUMULATIVE AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
57	72	7.983	8.037	-.054	.68
58	112	7.096	7.023	.073	1.03
59	260	5.410	5.430	-.020	.37

## TOTAL FLYAWAY

FY	CUMULATIVE QUANTITY	CUMULATIVE AVERAGE COST (ACTUAL, \$M)	CUMULATIVE AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
57	72	12.228	12.350	-.122	1.00
58	112	11.067	10.901	.166	1.50
59	260	8.549	8.593	-.044	.51

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PHYSICAL AND PERFORMANCE  
CHARACTERISTICS

MANUFACTURER:	GENERAL DYNAMICS
WING (FIXED/ROTARY):	FIXED
CTOL/VSTOL/STOL/OTHER:	CTOL
AIRFRAME PERFORMANCE:	9.58
AIRCRAFT SYSTEM PERFORMANCE:	13.05
ENGINE NUMBER:	J75-P-17
NUMBER OF ENGINES:	1
SERVICE:	AIR FORCE

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**TOTAL OBLIGATIONAL AUTHORITY  
(MILLIONS OF THEN-YEAR DOLLARS)**

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
57	41	99.308	11.987	1.714	0.000	48.774	161.783
58	5	7.908	1.438	.700	4.030	.966	15.042
59	17	24.747	3.975	2.476	10.225	3.080	44.503

**MILLIONS OF CONSTANT FY81 DOLLARS**

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
57	41	298.401	36.019	5.150	0.000	146.556	486.127
58	5	24.080	4.379	2.132	12.272	2.942	45.804
59	17	75.725	12.163	7.576	31.288	9.425	136.178
<b>TOTAL</b>	<b>63</b>	<b>398.207</b>	<b>52.561</b>	<b>14.858</b>	<b>43.560</b>	<b>158.923</b>	<b>668.109</b>

**FISCAL YEAR LOT AVERAGE COSTS  
(MILLIONS OF CONSTANT FY81 DOLLARS)**

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
57	41	7.278	.879	.126	0.000	3.575	11.857
58	5	4.816	.876	.426	2.454	.588	9.161
59	17	4.454	.715	.446	1.840	.554	8.010
<b>TOTAL</b>	<b>63</b>	<b>6.321</b>	<b>.834</b>	<b>.236</b>	<b>.691</b>	<b>2.523</b>	<b>10.605</b>

**CUMULATIVE AVERAGE COSTS  
(MILLIONS OF CONSTANT FY81 DOLLARS)**

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
57	41	7.278	.879	.126	0.000	3.575	11.857
58	46	7.010	.878	.158	.267	3.250	11.564
59	63	6.321	.834	.236	.691	2.523	10.605

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## UNIT COST CURVES

	CALC SLOPE	CALC FIRST COST	UNIT 100	R2
AIRFRAME	.781	18.621	3.590	--
AIRFRAME & ENGINE	.796	19.480	4.288	.997
TOTAL FLYAWAY	.827	24.758	7.027	.964

## AIRFRAME

FY	PLOT POINT QUANTITY	FISCAL YEAR AVERAGE COST (ACTUAL, \$M)	FISCAL YEAR AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
57	14	7.278	7.278	0.000	0.00
58	44	4.816	4.816	0.000	0.00
59	55	4.454	4.454	0.000	0.00

## AIRFRAME &amp; ENGINE

FY	PLOT POINT QUANTITY	FISCAL YEAR AVERAGE COST (ACTUAL, \$M)	FISCAL YEAR AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
57	14	8.157	8.174	-.017	.21
58	44	5.692	5.617	.075	1.32
59	55	5.170	5.228	-.058	1.12

## TOTAL FLYAWAY

FY	PLOT POINT QUANTITY	FISCAL YEAR AVERAGE COST (ACTUAL, \$M)	FISCAL YEAR AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
57	14	11.857	11.936	-.079	.67
58	44	9.161	8.797	.364	3.97
59	55	8.010	8.286	-.276	3.45

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## CUMULATIVE AVERAGE COST CURVES

	CALC SLOPE	CALC FIRST COST	CAC(100)	R2
AIRFRAME	.796	24.656	5.431	1.000
AIRFRAME & ENGINE	.809	25.442	6.213	1.000
TOTAL FLYAWAY	.833	31.559	9.399	.998

## AIRFRAME

FY	CUMULATIVE QUANTITY	CUMULATIVE AVERAGE COST (ACTUAL, \$M)	CUMULATIVE AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
57	41	7.278	7.279	.000	.01
58	46	7.010	7.009	.001	.01
59	63	6.321	6.321	0.000	0.00

## AIRFRAME &amp; ENGINE

FY	CUMULATIVE QUANTITY	CUMULATIVE AVERAGE COST (ACTUAL, \$M)	CUMULATIVE AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
57	41	8.157	8.163	-.005	.07
58	46	7.889	7.880	.009	.11
59	63	7.155	7.157	-.001	.03

## TOTAL FLYAWAY

FY	CUMULATIVE QUANTITY	CUMULATIVE AVERAGE COST (ACTUAL, \$M)	CUMULATIVE AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
57	41	11.857	11.883	-.026	.22
58	46	11.564	11.529	.035	.30
59	63	10.605	10.614	-.008	.08

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PHYSICAL AND PERFORMANCE  
CHARACTERISTICS

MANUFACTURER:	GENERAL DYNAMICS
WING (FIXED/ROTARY):	FIXED
CTOL/VSTOL/STOL/OTHER:	CTOL
AIRFRAME PERFORMANCE:	9.58
AIRCRAFT SYSTEM PERFORMANCE:	13.05
ENGINE NUMBER:	J75-P-17
NUMBER OF ENGINES:	1
SERVICE:	AIR FORCE

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**TOTAL OBLIGATIONAL AUTHORITY  
(MILLIONS OF THEN-YEAR DOLLARS)**

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
--	--	-----	-----	-----	-----	-----	-----
57	72	170.238	21.050	3.010	97.083	1.616	292.997
57	41	99.308	11.987	1.714	0.000	48.774	161.783
58	40	60.716	11.504	1.600	38.594	5.522	117.936
58	5	7.908	1.438	.700	4.030	.966	15.042
59	148	165.696	34.301	16.100	86.349	18.844	321.290
59	17	24.747	3.975	2.476	10.225	3.080	44.503

**MILLIONS OF CONSTANT FY81 DOLLARS**

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
--	--	-----	-----	-----	-----	-----	-----
57	72	511.532	63.251	9.044	291.716	4.856	880.400
57	41	298.401	36.019	5.150	0.000	146.556	486.127
58	40	184.884	35.030	4.872	117.521	16.815	359.123
58	5	24.080	4.379	2.132	12.272	2.942	45.804
59	148	507.026	104.960	49.266	264.226	57.662	983.140
59	17	75.725	12.163	7.576	31.288	9.425	136.178
<b>TOTAL</b>	<b>323</b>	<b>1601.649</b>	<b>255.803</b>	<b>78.040</b>	<b>717.023</b>	<b>238.256</b>	<b>2890.771</b>

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FISCAL YEAR LOT AVERAGE COSTS  
(MILLIONS OF CONSTANT FY81 DOLLARS)

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
57	72	7.105	.878	.126	4.052	.067	12.228
57	41	7.278	.879	.126	0.000	3.575	11.857
58	40	4.622	.876	.122	2.938	.420	8.978
58	5	4.816	.876	.426	2.454	.588	9.161
59	148	3.426	.709	.333	1.785	.390	6.643
59	17	4.454	.715	.446	1.840	.554	8.010
<b>TOTAL</b>	<b>323</b>	<b>4.959</b>	<b>.792</b>	<b>.242</b>	<b>2.220</b>	<b>.738</b>	<b>8.950</b>

CUMULATIVE AVERAGE COSTS  
(MILLIONS OF CONSTANT FY81 DOLLARS)

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
57	72	7.105	.878	.126	4.052	.067	12.228
57	113	7.168	.878	.126	2.582	1.340	12.093
58	153	6.502	.878	.125	2.675	1.100	11.279
58	158	6.449	.878	.134	2.668	1.083	11.212
59	306	4.987	.796	.230	2.241	.748	9.002
59	323	4.959	.792	.242	2.220	.738	8.950

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UNIT COST CURVES

	CALC SLOPE	CALC FIRST COST	UNIT 100	R2
AIRFRAME	.837	17.571	5.370	.623
AIRFRAME & ENGINE	.849	18.410	6.223	.636
TOTAL FLYAWAY	.860	26.477	9.694	.692

AIRFRAME

FY	PLOT POINT QUANTITY	FISCAL YEAR AVERAGE COST (ACTUAL, \$M)	FISCAL YEAR AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
57	25	7.105	7.708	-.603	8.49
57	92	7.278	5.486	1.792	24.62
58	133	4.622	4.991	-.369	7.98
58	156	4.816	4.789	.027	.56
59	227	3.426	4.346	-.920	26.85
59	314	4.454	3.997	.457	10.26

AIRFRAME & ENGINE

FY	PLOT POINT QUANTITY	FISCAL YEAR AVERAGE COST (ACTUAL, \$M)	FISCAL YEAR AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
57	25	7.983	8.640	-.657	8.23
57	92	8.157	6.345	1.812	22.21
58	133	5.498	5.820	-.322	5.86
58	156	5.692	5.604	.088	1.55
59	228	4.135	5.127	-.992	23.99
59	314	5.170	4.749	.421	8.14

TOTAL FLYAWAY

FY	PLOT POINT QUANTITY	FISCAL YEAR AVERAGE COST (ACTUAL, \$M)	FISCAL YEAR AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
57	25	12.228	13.113	-.885	7.24
57	92	11.857	9.870	1.987	16.76
58	133	8.978	9.111	-.133	1.48
58	156	9.161	8.798	.363	3.96
59	228	6.643	8.102	-1.459	21.96
59	314	8.010	7.547	.463	5.78

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## CUMULATIVE AVERAGE COST CURVES

	CALC SLOPE	CALC FIRST COST	CAC(100)	R2
AIRFRAME	.827	24.795	7.014	.898
AIRFRAME & ENGINE	.841	24.977	7.897	.896
TOTAL FLYAWAY	.851	35.170	12.016	.913

## AIRFRAME

FY	CUMULATIVE QUANTITY	CUMULATIVE AVERAGE COST (ACTUAL, \$M)	CUMULATIVE AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
57	72	7.105	7.676	-.571	8.04
57	113	7.168	6.783	.385	5.37
58	153	6.502	6.242	.260	4.00
58	158	6.449	6.188	.261	4.05
59	306	4.987	5.162	-.175	3.51
59	323	4.959	5.086	-.127	2.56

## AIRFRAME &amp; ENGINE

FY	CUMULATIVE QUANTITY	CUMULATIVE AVERAGE COST (ACTUAL, \$M)	CUMULATIVE AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
57	72	7.983	8.573	-.590	7.39
57	113	8.046	7.659	.387	4.81
58	153	7.380	7.100	.280	3.79
58	158	7.326	7.044	.282	3.85
59	306	5.783	5.971	-.188	3.25
59	323	5.751	5.890	-.139	2.42

## TOTAL FLYAWAY

FY	CUMULATIVE QUANTITY	CUMULATIVE AVERAGE COST (ACTUAL, \$M)	CUMULATIVE AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
57	72	12.228	12.972	-.744	6.08
57	113	12.093	11.678	.415	3.43
58	153	11.279	10.881	.398	3.53
58	158	11.212	10.800	.412	3.67
59	306	9.002	9.257	-.255	2.83
59	323	8.950	9.141	-.191	2.13

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PHYSICAL AND PERFORMANCE  
CHARACTERISTICS

MANUFACTURER:	GENERAL DYNAMICS
WING (FIXED/ROTARY):	FIXED
CTOL/VSTOL/STOL/OTHER:	CTOL
AIRFRAME PERFORMANCE:	15.45
AIRCRAFT SYSTEM PERFORMANCE:	18.46
ENGINE NUMBER:	TF30-P-3
NUMBER OF ENGINES:	2
SERVICE:	AIR FORCE

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TOTAL OBLIGATIONAL AUTHORITY  
(MILLIONS OF THEN-YEAR DOLLARS)

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
65	10	0.000	0.000	0.000	0.000	0.000	
66	48	0.000	0.000	0.000	0.000	0.000	157.400
67	83	0.000	0.000	0.000	0.000	0.000	464.100
							545.700

## MILLIONS OF CONSTANT FY81 DOLLARS

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
65	10	0.000	0.000	0.000	0.000	0.000	427.601
66	48	0.000	0.000	0.000	0.000	0.000	1193.980
67	83	0.000	0.000	0.000	0.000	0.000	1347.075
TOTAL	141	0.000	0.000	0.000	0.000	0.000	2968.656

FISCAL YEAR LOT AVERAGE COSTS  
(MILLIONS OF CONSTANT FY81 DOLLARS)

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
65	10	0.000	0.000	0.000	0.000	0.000	42.760
66	48	0.000	0.000	0.000	0.000	0.000	24.875
67	83	0.000	0.000	0.000	0.000	0.000	16.230
TOTAL	141	0.000	0.000	0.000	0.000	0.000	21.054

CUMULATIVE AVERAGE COSTS  
(MILLIONS OF CONSTANT FY81 DOLLARS)

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
65	10	0.000	0.000	0.000	0.000	0.000	42.760
66	58	0.000	0.000	0.000	0.000	0.000	27.958
67	141	0.000	0.000	0.000	0.000	0.000	21.054

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## UNIT COST CURVES

	CALC SLOPE	CALC FIRST COST	UNIT 100	R2
AIRFRAME	---	---	---	--
AIRFRAME & ENGINE	---	---	---	--
TOTAL FLYAWAY	.809	67.341	16.503	.993

## AIRFRAME

FY	PLOT POINT QUANTITY	FISCAL YEAR AVERAGE COST (ACTUAL, \$M)	FISCAL YEAR AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
--	---	---	---	---	---
NOT CALCULATED					

## AIRFRAME &amp; ENGINE

FY	PLOT POINT QUANTITY	FISCAL YEAR AVERAGE COST (ACTUAL, \$M)	FISCAL YEAR AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
--	---	---	---	---	---
NOT CALCULATED					

## TOTAL FLYAWAY

FY	PLOT POINT QUANTITY	FISCAL YEAR AVERAGE COST (ACTUAL, \$M)	FISCAL YEAR AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
--	---	---	---	---	---
65	4	42.760	43.487	-.727	1.70
66	30	24.875	23.762	1.113	4.47
67	96	16.230	16.706	-.476	2.93

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CUMULATIVE AVERAGE COST CURVES

	CALC SLOPE	CALC FIRST COST	CAC(100)	R2
AIRFRAME	---	---	---	--
AIRFRAME & ENGINE	---	---	---	--
TOTAL FLYAWAY	.833	79.327	23,510	.995

AIRFRAME

FY	CUMULATIVE QUANTITY	CUMULATIVE AVERAGE COST (ACTUAL, \$M)	CUMULATIVE AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
--	-----	-----	-----	-----	-----

NOT CALCULATED

AIRFRAME & ENGINE

FY	CUMULATIVE QUANTITY	CUMULATIVE AVERAGE COST (ACTUAL, \$M)	CUMULATIVE AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
--	-----	-----	-----	-----	-----

NOT CALCULATED

TOTAL FLYAWAY

FY	CUMULATIVE QUANTITY	CUMULATIVE AVERAGE COST (ACTUAL, \$M)	CUMULATIVE AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
--	-----	-----	-----	-----	-----
65	10	42.760	43.185	-.425	.99
66	58	27.958	27.147	.811	2.90
67	141	21.054	21.470	-.416	1.98

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PHYSICAL AND PERFORMANCE  
CHARACTERISTICS

MANUFACTURER:	GENERAL DYNAMICS
WING (FIXED/ROTARY):	FIXED
CTOL/VSTOL/STOL/OTHER:	CTOL
AIRFRAME PERFORMANCE:	16.48
AIRCRAFT SYSTEM PERFORMANCE:	24.81
ENGINE NUMBER:	TF30-P-3
NUMBER OF ENGINES:	2
SERVICE:	NAVY

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**TOTAL OBLIGATIONAL AUTHORITY  
(MILLIONS OF THEN-YEAR DOLLARS)**

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
66	4	46.737	4.791	2.137	.438	.184	54.287

**MILLIONS OF CONSTANT FY81 DOLLARS**

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
66	4	121.711	12.477	5.565	1.141	.479	141.372
<b>TOTAL</b>	<b>4</b>	<b>121.711</b>	<b>12.477</b>	<b>5.565</b>	<b>1.141</b>	<b>.479</b>	<b>141.372</b>

**FISCAL YEAR LOT AVERAGE COSTS  
(MILLIONS OF CONSTANT FY81 DOLLARS)**

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
66	4	30.428	3.119	1.391	.285	.120	35.343
<b>TOTAL</b>	<b>4</b>	<b>30.428</b>	<b>3.119</b>	<b>1.391</b>	<b>.285</b>	<b>.120</b>	<b>35.343</b>

**CUMULATIVE AVERAGE COSTS  
(MILLIONS OF CONSTANT FY81 DOLLARS)**

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
66	4	30.428	3.119	1.391	.285	.120	35.343

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PHYSICAL AND PERFORMANCE  
CHARACTERISTICS

MANUFACTURER:	GENERAL DYNAMICS
WING (FIXED/ROTARY):	FIXED
CTOL/VSTOL/STOL/OTHER:	CTOL
AIRFRAME PERFORMANCE:	16.48
AIRCRAFT SYSTEM PERFORMANCE:	24.39
ENGINE NUMBER:	TF30-P-9
NUMBER OF ENGINES:	2
SERVICE:	AIR FORCE

## F-111D

TOTAL OBLIGATIONAL AUTHORITY  
(MILLIONS OF THEN-YEAR DOLLARS)

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
68	3	0.000	0.000	0.000	0.000	0.000	22.500
69	85	0.000	0.000	0.000	0.000	0.000	905.500
70	8	0.000	0.000	0.000	0.000	0.000	77.900

## MILLIONS OF CONSTANT FY81 DOLLARS

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
68	3	0.000	0.000	0.000	0.000	0.000	53.571
69	85	0.000	0.000	0.000	0.000	0.000	2066.408
70	8	0.000	0.000	0.000	0.000	0.000	169.458
<b>TOTAL</b>	<b>96</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>2289.438</b>

FISCAL YEAR LOT AVERAGE COSTS  
(MILLIONS OF CONSTANT FY81 DOLLARS)

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
68	3	0.000	0.000	0.000	0.000	0.000	17.857
69	85	0.000	0.000	0.000	0.000	0.000	24.311
70	8	0.000	0.000	0.000	0.000	0.000	21.182
<b>TOTAL</b>	<b>96</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>23.848</b>

CUMULATIVE AVERAGE COSTS  
(MILLIONS OF CONSTANT FY81 DOLLARS)

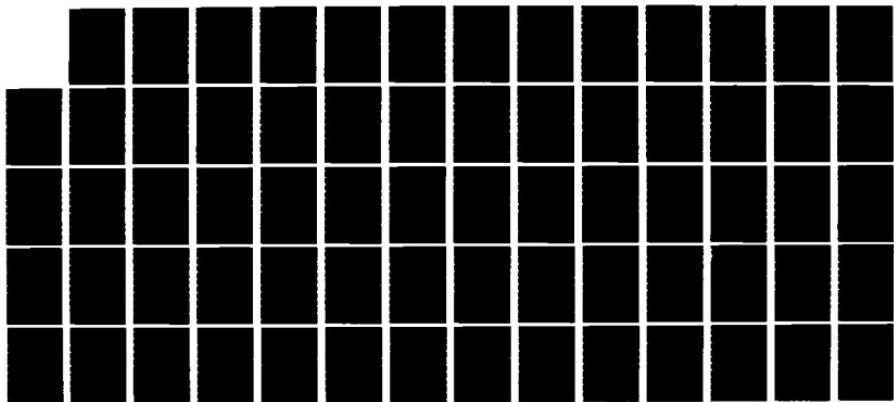
FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
68	3	0.000	0.000	0.000	0.000	0.000	17.857
69	88	0.000	0.000	0.000	0.000	0.000	24.091
70	96	0.000	0.000	0.000	0.000	0.000	23.848

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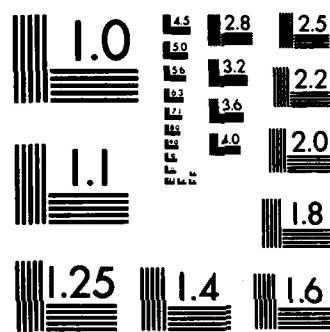
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## UNIT COST CURVES

	CALC SLOPE	CALC FIRST COST	UNIT 100	R2
AIRFRAME	---	---	---	--
AIRFRAME & ENGINE	---	---	---	--
TOTAL FLYAWAY	1.041	17.666	23.116	.603
<b>AIRFRAME</b>				
FY	PLOT POINT QUANTITY	FISCAL YEAR AVERAGE COST (ACTUAL,\$M)	FISCAL YEAR AVERAGE COST (ESTIMATED,\$M)	ACTUAL MINUS ESTIMATED
--	-----	-----	-----	-----
NOT CALCULATED				
<b>AIRFRAME &amp; ENGINE</b>				
FY	PLOT POINT QUANTITY	FISCAL YEAR AVERAGE COST (ACTUAL,\$M)	FISCAL YEAR AVERAGE COST (ESTIMATED,\$M)	ACTUAL MINUS ESTIMATED
--	-----	-----	-----	-----
NOT CALCULATED				
<b>TOTAL FLYAWAY</b>				
FY	PLOT POINT QUANTITY	FISCAL YEAR AVERAGE COST (ACTUAL,\$M)	FISCAL YEAR AVERAGE COST (ESTIMATED,\$M)	ACTUAL MINUS ESTIMATED
--	-----	-----	-----	-----
68	2	17.857	18.299	-.442
69	38	24.311	21.839	2.472
70	92	21.182	23.010	-1.828
				2.48
				10.17
				8.63

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CUMULATIVE AVERAGE COST CURVES

	CALC SLOPE	CALC FIRST COST	CAC(100)	R2
AIRFRAME	---	---	---	--
AIRFRAME & ENGINE	---	---	---	--
TOTAL FLYAWAY	1.061	16.252	24.141	.997

AIRFRAME

FY	CUMULATIVE QUANTITY	CUMULATIVE AVERAGE COST (ACTUAL, \$M)	CUMULATIVE AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
--	-----	-----	-----	-----	-----

NOT CALCULATED

AIRFRAME & ENGINE

FY	CUMULATIVE QUANTITY	CUMULATIVE AVERAGE COST (ACTUAL, \$M)	CUMULATIVE AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
--	-----	-----	-----	-----	-----

NOT CALCULATED

TOTAL FLYAWAY

FY	CUMULATIVE QUANTITY	CUMULATIVE AVERAGE COST (ACTUAL, \$M)	CUMULATIVE AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
68	3	17.857	17.861	-.003	.02
69	88	24.091	23.877	.214	.89
70	96	23.848	24.056	-.208	.87

F-111E

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**PHYSICAL AND PERFORMANCE  
CHARACTERISTICS**

MANUFACTURER:	GENERAL DYNAMICS
WING (FIXED/ROTARY):	FIXED
CTOL/VSTOL/STOL/OTHER:	CTOL
AIRFRAME PERFORMANCE:	16.48
AIRCRAFT SYSTEM PERFORMANCE:	24.39
ENGINE NUMBER:	TF30-P-3
NUMBER OF ENGINES:	2
SERVICE:	AIR FORCE

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**TOTAL OBLIGATIONAL AUTHORITY  
(MILLIONS OF THEN-YEAR DOLLARS)**

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
67	10	0.000	0.000	0.000	0.000	0.000	122.800
68	84	0.000	0.000	0.000	0.000	0.000	748.400

**MILLIONS OF CONSTANT FY81 DOLLARS**

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
67	10	0.000	0.000	0.000	0.000	0.000	303.135
68	84	0.000	0.000	0.000	0.000	0.000	1781.905
<b>TOTAL</b>	<b>94</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>2085.040</b>

**FISCAL YEAR LOT AVERAGE COSTS  
(MILLIONS OF CONSTANT FY81 DOLLARS)**

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
67	10	0.000	0.000	0.000	0.000	0.000	30.314
68	84	0.000	0.000	0.000	0.000	0.000	21.213
<b>TOTAL</b>	<b>94</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>22.181</b>

**CUMULATIVE AVERAGE COSTS  
(MILLIONS OF CONSTANT FY81 DOLLARS)**

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
67	10	0.000	0.000	0.000	0.000	0.000	30.314
68	94	0.000	0.000	0.000	0.000	0.000	22.181

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PHYSICAL AND PERFORMANCE  
CHARACTERISTICS

MANUFACTURER:	GENERAL DYNAMICS
WING (FIXED/ROTARY):	FIXED
CTOL/VSTOL/STOL/OTHER:	CTOL
AIRFRAME PERFORMANCE:	16.48
AIRCRAFT SYSTEM PERFORMANCE:	31.01
ENGINE NUMBER:	TF30-P-100
NUMBER OF ENGINES:	2
SERVICE:	AIR FORCE

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TOTAL OBLIGATIONAL AUTHORITY  
(MILLIONS OF THEN-YEAR DOLLARS)

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
70	58	237.684	117.450	99.006	8.526	44.022	506.688
71	12	71.388	25.452	25.176	4.128	19.020	145.164
72	12	56.676	26.604	20.412	.984	17.328	122.004
73	12	78.564	25.824	30.768	.348	35.496	171.000
74	12	83.412	27.600	33.276	.072	37.236	181.596

## MILLIONS OF CONSTANT FY81 DOLLARS

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
70	58	517.042	255.493	215.371	18.547	95.762	1102.214
71	12	147.465	52.576	52.006	8.527	39.289	299.864
72	12	109.667	51.478	39.497	1.904	33.529	236.076
73	12	139.868	45.975	54.777	.620	63.194	304.433
74	12	136.027	45.010	54.266	.117	60.724	296.145
<b>TOTAL</b>	<b>106</b>	<b>1050.070</b>	<b>450.531</b>	<b>415.916</b>	<b>29.715</b>	<b>292.499</b>	<b>2238.732</b>

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FISCAL YEAR LOT AVERAGE COSTS  
(MILLIONS OF CONSTANT FY81 DOLLARS)

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
70	58	8.915	4.405	3.713	.320	1.651	19.004
71	12	12.289	4.381	4.334	.711	3.274	24.989
72	12	9.139	4.290	3.291	.159	2.794	19.673
73	12	11.656	3.831	4.565	.052	5.266	25.369
74	12	11.336	3.751	4.522	.010	5.060	24.679
<b>TOTAL</b>	<b>106</b>	<b>9.906</b>	<b>4.250</b>	<b>3.924</b>	<b>.280</b>	<b>2.759</b>	<b>21.120</b>

CUMULATIVE AVERAGE COSTS  
(MILLIONS OF CONSTANT FY81 DOLLARS)

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
70	58	8.915	4.405	3.713	.320	1.651	19.004
71	70	9.493	4.401	3.820	.387	1.929	20.030
72	82	9.441	4.385	3.742	.353	2.056	19.977
73	94	9.724	4.314	3.847	.315	2.466	20.666
74	106	9.906	4.250	3.924	.280	2.759	21.120

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## UNIT COST CURVES

	CALC SLOPE	CALC FIRST COST	UNIT 100	R2
AIRFRAME	1.115	5.511	11.354	--
AIRFRAME & ENGINE	1.059	10.452	15.314	.372
TOTAL FLYAWAY	1.126	11.092	24.375	.254 .475

## AIRFRAME

FY	PLOT POINT QUANTITY	FISCAL YEAR AVERAGE COST (ACTUAL, \$M)	FISCAL YEAR AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
70	24	8.915	9.063	-.148	1.66
71	64	12.289	10.597	1.692	13.77
72	76	9.139	10.885	-1.746	19.10
73	88	11.656	11.137	.519	4.45
74	100	11.336	11.362	-.026	.23

## AIRFRAME &amp; ENGINE

FY	PLOT POINT QUANTITY	FISCAL YEAR AVERAGE COST (ACTUAL, \$M)	FISCAL YEAR AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
70	23	13.320	13.565	-.245	1.84
71	54	16.670	14.766	1.904	11.42
72	76	13.429	14.977	-1.548	11.53
73	88	15.487	15.159	.328	2.12
74	100	15.086	15.320	-.234	1.55

## TOTAL FLYAWAY

FY	PLOT POINT QUANTITY	FISCAL YEAR AVERAGE COST (ACTUAL, \$M)	FISCAL YEAR AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
70	24	19.004	19.086	-.082	.43
71	64	24.989	22.610	2.379	9.52
72	76	19.673	23.280	-3.607	18.33
73	88	25.369	23.868	1.501	5.92
74	100	24.679	24.393	.286	1.16

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## CUMULATIVE AVERAGE COST CURVES

	CALC SLOPE	CALC FIRST COST	CAC(100)	R2
AIRFRAME	1.116	4.739	9.827	.893
AIRFRAME & ENGINE	1.064	9.330	14.121	.837
TOTAL FLYAWAY	1.119	9.911	20.879	.930

## AIRFRAME

FY	CUMULATIVE QUANTITY	CUMULATIVE AVERAGE COST (ACTUAL, \$M)	CUMULATIVE AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
70	58	8.915	9.015	-.100	1.12
71	70	9.493	9.288	.205	2.16
72	82	9.441	9.523	-.082	.87
73	94	9.724	9.731	-.006	.07
74	106	9.906	9.918	-.012	.12

## AIRFRAME &amp; ENGINE

FY	CUMULATIVE QUANTITY	CUMULATIVE AVERAGE COST (ACTUAL, \$M)	CUMULATIVE AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
70	58	13.320	13.446	-.126	.95
71	70	13.894	13.675	.219	1.58
72	82	13.826	13.871	-.045	.33
73	94	14.038	14.043	-.004	.04
74	106	14.157	14.196	-.039	.28

## TOTAL FLYAWAY

FY	CUMULATIVE QUANTITY	CUMULATIVE AVERAGE COST (ACTUAL, \$M)	CUMULATIVE AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
70	58	19.004	19.117	-.113	.59
71	70	20.030	19.708	.322	1.61
72	82	19.977	20.219	-.242	1.21
73	94	20.666	20.671	-.004	.02
74	106	21.120	21.077	.043	.20

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**FB-111A**

**FB-111A**

**PHYSICAL AND PERFORMANCE  
CHARACTERISTICS**

<b>MANUFACTURER:</b>	<b>GENERAL DYNAMICS</b>
<b>WING (FIXED/ROTARY):</b>	<b>FIXED</b>
<b>CTOL/VSTOL/STOL/OTHER:</b>	<b>CTOL</b>
<b>AIRFRAME PERFORMANCE:</b>	<b>27.77</b>
<b>AIRCRAFT SYSTEM PERFORMANCE:</b>	<b>32.23</b>
<b>ENGINE NUMBER:</b>	<b>TF30-P-7</b>
<b>NUMBER OF ENGINES:</b>	<b>2</b>
<b>SERVICE:</b>	<b>AIR FORCE</b>

## FB-111A

TOTAL OBLIGATIONAL AUTHORITY  
(MILLIONS OF THEN-YEAR DOLLARS)

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
67	10	0.000	0.000	0.000	0.000	0.000	115.100
68	24	0.000	0.000	0.000	0.000	0.000	242.300
69	42	0.000	0.000	0.000	0.000	0.000	399.300

## MILLIONS OF CONSTANT FY81 DOLLARS

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
67	10	0.000	0.000	0.000	0.000	0.000	284.127
68	24	0.000	0.000	0.000	0.000	0.000	576.905
69	42	0.000	0.000	0.000	0.000	0.000	911.228
<b>TOTAL</b>	<b>76</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>1772.260</b>

FISCAL YEAR LOT AVERAGE COSTS  
(MILLIONS OF CONSTANT FY81 DOLLARS)

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
67	10	0.000	0.000	0.000	0.000	0.000	28.413
68	24	0.000	0.000	0.000	0.000	0.000	24.038
69	42	0.000	0.000	0.000	0.000	0.000	21.696
<b>TOTAL</b>	<b>76</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>23.319</b>

CUMULATIVE AVERAGE COSTS  
(MILLIONS OF CONSTANT FY81 DOLLARS)

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
67	10	0.000	0.000	0.000	0.000	0.000	28.413
68	34	0.000	0.000	0.000	0.000	0.000	25.324
69	76	0.000	0.000	0.000	0.000	0.000	23.319

FB-111A

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## UNIT COST CURVES

	CALC SLOPE	CALC FIRST COST	UNIT 100	R2
AIRFRAME	---	---	---	--
AIRFRAME & ENGINE	---	---	---	--
TOTAL FLYAWAY	.928	33.345	20.321	1.000

## AIRFRAME

FY	PLOT POINT QUANTITY	FISCAL YEAR AVERAGE COST (ACTUAL, \$M)	FISCAL YEAR AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
---	---	---	---	---	---

NOT CALCULATED

## AIRFRAME &amp; ENGINE

FY	PLOT POINT QUANTITY	FISCAL YEAR AVERAGE COST (ACTUAL, \$M)	FISCAL YEAR AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
---	---	---	---	---	---

NOT CALCULATED

## TOTAL FLYAWAY

FY	PLOT POINT QUANTITY	FISCAL YEAR AVERAGE COST (ACTUAL, \$M)	FISCAL YEAR AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
---	---	---	---	---	---
67	4	28.413	28.427	-.014	.05
68	21	24.038	24.006	.032	.13
69	54	21.696	21.714	-.018	.08

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## CUMULATIVE AVERAGE COST CURVES

	CALC SLOPE	CALC FIRST COST	CAC(100)	R2
AIRFRAME	---	---	---	--
AIRFRAME & ENGINE	---	---	---	--
TOTAL FLYAWAY	.935	35.572	22.743	.999

## AIRFRAME

FY	CUMULATIVE QUANTITY	CUMULATIVE AVERAGE COST (ACTUAL, \$M)	CUMULATIVE AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
---	---	---	---	---	---

NOT CALCULATED

## AIRFRAME &amp; ENGINE

FY	CUMULATIVE QUANTITY	CUMULATIVE AVERAGE COST (ACTUAL, \$M)	CUMULATIVE AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
----	------------------------	---	--	------------------------------	-----------------------

NOT CALCULATED

## TOTAL FLYAWAY

FY	CUMULATIVE QUANTITY	CUMULATIVE AVERAGE COST (ACTUAL, \$M)	CUMULATIVE AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
---	---	---	---	---	---
67	10	28.413	28.443	-.030	.11
68	34	25.324	25.256	.068	.27
69	76	23.319	23.358	-.039	.17

P-2E

P-2E

PHYSICAL AND PERFORMANCE  
CHARACTERISTICS

MANUFACTURER:	LOCKHEED
WING (FIXED/ROTARY):	FIXED
CTOL/VSTOL/STOL/OTHER:	CTOL
AIRFRAME PERFORMANCE:	NOT MEASURED
AIRCRAFT SYSTEM PERFORMANCE:	NOT MEASURED
ENGINE NUMBER:	R-3350-30W
NUMBER OF ENGINES:	2
SERVICE:	NAVY

**TOTAL OBLIGATIONAL AUTHORITY  
(MILLIONS OF THEN-YEAR DOLLARS)**

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
51	159	105.735	36.446	22.224	9.116	4.044	177.921
52	80	50.372	19.335	10.724	3.448	1.987	86.043
52	64	40.297	15.087	8.579	2.758	1.589	68.451

**MILLIONS OF CONSTANT FY81 DOLLARS**

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
51	159	362.976	125.115	76.292	31.294	13.883	610.783
52	80	172.981	66.398	36.827	11.841	6.823	295.477
52	64	138.383	51.810	29.461	9.471	5.457	235.065
<b>TOTAL</b>	<b>303</b>	<b>674.340</b>	<b>243.322</b>	<b>142.580</b>	<b>52.606</b>	<b>26.163</b>	<b>1141.325</b>

**FISCAL YEAR LOT AVERAGE COSTS  
(MILLIONS OF CONSTANT FY81 DOLLARS)**

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
51	159	2.283	.787	.480	.197	.087	3.841
52	80	2.162	.830	.460	.148	.085	3.693
52	64	2.162	.810	.460	.148	.085	3.673
<b>TOTAL</b>	<b>303</b>	<b>2.226</b>	<b>.803</b>	<b>.471</b>	<b>.174</b>	<b>.086</b>	<b>3.767</b>

**CUMULATIVE AVERAGE COSTS  
(MILLIONS OF CONSTANT FY81 DOLLARS)**

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
51	159	2.283	.787	.480	.197	.087	3.841
52	239	2.242	.801	.473	.180	.087	3.792
52	303	2.226	.803	.471	.174	.086	3.767

P-2E

P-2E

## UNIT COST CURVES

	CALC SLOPE	FIRST COST	UNIT 100	R2
AIRFRAME	.974	2.662	2.234	.963
AIRFRAME & ENGINE	.985	3.349	3.036	1.000
TOTAL FLYAWAY	.979	4.344	3.779	.993

## AIRFRAME

FY	PLOT POINT QUANTITY	FISCAL YEAR AVERAGE COST (ACTUAL, \$M)	FISCAL YEAR AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
51	59	2.283	2.280	.003	.13
52	198	2.162	2.177	-.015	.69
52	271	2.162	2.151	.011	.51

## AIRFRAME &amp; ENGINE

FY	PLOT POINT QUANTITY	FISCAL YEAR AVERAGE COST (ACTUAL, \$M)	FISCAL YEAR AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
51	59	3.070	3.070	0.000	0.00
52	198	2.992	2.992	0.000	0.00
52	271	2.972	2.972	0.000	0.00

## TOTAL FLYAWAY

FY	PLOT POINT QUANTITY	FISCAL YEAR AVERAGE COST (ACTUAL, \$M)	FISCAL YEAR AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
51	59	3.841	3.840	.001	.03
52	198	3.693	3.701	-.007	.22
52	271	3.673	3.667	.006	.16

## CUMULATIVE AVERAGE COST CURVES

	CALC SLOPE	CALC FIRST COST	CAC(100)	R2
AIRFRAME	.973	2.794	2.325	.994
AIRFRAME & ENGINE	.986	3.413	3.100	1.000
TOTAL FLYAWAY	.979	4.485	3.896	.999

## AIRFRAME

FY	CUMULATIVE QUANTITY	CUMULATIVE AVERAGE COST (ACTUAL, \$M)	CUMULATIVE AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
51	159	2.283	2.282	.001	.04
52	239	2.242	2.245	-.002	.13
52	303	2.226	2.224	.002	.09

## AIRFRAME &amp; ENGINE

FY	CUMULATIVE QUANTITY	CUMULATIVE AVERAGE COST (ACTUAL, \$M)	CUMULATIVE AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
51	159	3.070	3.070	0.000	0.00
52	239	3.044	3.044	0.000	0.00
52	303	3.029	3.029	0.000	0.00

## TOTAL FLYAWAY

FY	CUMULATIVE QUANTITY	CUMULATIVE AVERAGE COST (ACTUAL, \$M)	CUMULATIVE AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
51	159	3.841	3.841	0.000	0.00
52	239	3.792	3.793	.000	.03
52	303	3.767	3.766	.001	.03

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PHYSICAL AND PERFORMANCE  
CHARACTERISTICS

MANUFACTURER:	LOCKHEED
WING (FIXED/ROTARY):	FIXED
CTOL/VSTOL/STOL/OTHER:	CTOL
AIRFRAME PERFORMANCE:	NOT MEASURED
AIRCRAFT SYSTEM PERFORMANCE:	NOT MEASURED
ENGINE NUMBER:	R-3350-36W
NUMBER OF ENGINES:	2
SERVICE:	NAVY

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TOTAL OBLIGATIONAL AUTHORITY  
(MILLIONS OF THEN-YEAR DOLLARS)

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
51	34	23,884	5,206	3,233	4,151	.954	37,497
52	23	14,506	5,540	2,175	2,080	.645	24,998

## MILLIONS OF CONSTANT FY81 DOLLARS

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
51	34	81,991	17,872	11,099	14,250	3,275	128,723
52	23	49,815	19,025	7,469	7,143	2,215	85,845
<b>TOTAL</b>	<b>57</b>	<b>131,806</b>	<b>36,896</b>	<b>18,568</b>	<b>21,393</b>	<b>5,490</b>	<b>214,568</b>

FISCAL YEAR LOT AVERAGE COSTS  
(MILLIONS OF CONSTANT FY81 DOLLARS)

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
51	34	2,412	.526	.326	.419	.096	3,786
52	23	2,166	.827	.325	.311	.096	3,732
<b>TOTAL</b>	<b>57</b>	<b>2,312</b>	<b>.647</b>	<b>.326</b>	<b>.375</b>	<b>.096</b>	<b>3,764</b>

CUMULATIVE AVERAGE COSTS  
(MILLIONS OF CONSTANT FY81 DOLLARS)

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
51	34	2,412	.526	.326	.419	.096	3,786
52	57	2,312	.647	.326	.375	.096	3,764

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**PHYSICAL AND PERFORMANCE  
CHARACTERISTICS**

MANUFACTURER:	LOCKHEED
WING (FIXED/ROTARY):	FIXED
CTOL/VSTOL/STOL/OTHER:	CTOL
AIRFRAME PERFORMANCE:	16.75
AIRCRAFT SYSTEM PERFORMANCE:	15.28
ENGINE NUMBER:	R-3350-32W/J34-WE-34
NUMBER OF ENGINES:	2X2
SERVICE:	NAVY

**TOTAL OBLIGATIONAL AUTHORITY  
(MILLIONS OF THEN-YEAR DOLLARS)**

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
53	52	43.409	12.969	6.278	2.419	1.624	66.815
53	19	12.550	4.739	2.299	.898	.595	21.124
54	10	8.012	6.892	.973	.993	.322	17.238
55	29	24.221	10.667	3.350	3.185	1.002	42.515
55	4	3.447	1.471	.946	.036	.159	6.068
56	6	4.256	3.719	1.251	.047	.227	9.552
56	4	3.602	2.479	.879	.031	.156	7.184
57	24	19.488	10.681	5.226	.164	1.002	36.561
59	26	21.398	12.043	6.851	.263	.956	41.511
60	26	22.048	12.120	6.490	.254	1.041	41.953

**MILLIONS OF CONSTANT FY81 DOLLARS**

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
53	52	147.349	44.022	21.310	8.211	5.513	226.799
53	19	42.600	16.086	7.804	3.048	2.020	71.704
54	10	26.243	22.575	3.187	3.253	1.055	56.462
55	29	76.191	33.555	10.538	10.019	3.152	133.737
55	4	10.843	4.627	2.976	.113	.500	19.088
56	6	12.854	11.232	3.778	.142	.686	28.849
56	4	10.879	7.487	2.655	.094	.471	21.697
57	24	58.417	32.017	15.665	.492	3.004	109.595
59	26	65.457	36.840	20.957	.805	2.924	126.984
60	26	67.138	36.906	19.762	.773	3.170	127.750
<b>TOTAL</b>	<b>200</b>	<b>517.971</b>	<b>245.348</b>	<b>108.633</b>	<b>26.949</b>	<b>22.494</b>	<b>922.666</b>

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FISCAL YEAR LOT AVERAGE COSTS  
(MILLIONS OF CONSTANT FY81 DOLLARS)

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
53	52	2.834	.847	.410	.158	.106	4.362
53	19	2.242	.847	.411	.160	.106	3.774
54	10	2.624	2.257	.319	.325	.105	5.646
55	29	2.627	1.157	.363	.345	.109	4.612
55	4	2.711	1.157	.744	.028	.125	4.772
56	6	2.142	1.872	.630	.024	.114	4.808
56	4	2.720	1.872	.664	.023	.118	5.424
57	24	2.434	1.334	.653	.020	.125	4.566
59	26	2.518	1.417	.806	.031	.112	4.884
60	26	2.582	1.419	.760	.030	.122	4.913
TOTAL	200	2.590	1.227	.543	.135	.112	4.613

CUMULATIVE AVERAGE COSTS  
(MILLIONS OF CONSTANT FY81 DOLLARS)

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
53	52	2.834	.847	.410	.158	.106	4.362
53	71	2.675	.847	.410	.159	.106	4.204
54	81	2.669	1.021	.399	.179	.106	4.382
55	110	2.658	1.057	.389	.223	.107	4.443
55	114	2.660	1.060	.402	.216	.107	4.454
56	120	2.634	1.101	.413	.207	.108	4.472
56	124	2.637	1.126	.421	.201	.108	4.503
57	148	2.604	1.159	.459	.171	.111	4.513
59	174	2.591	1.198	.511	.150	.111	4.568
60	200	2.590	1.227	.543	.135	.112	4.613

## UNIT COST CURVES

	CALC SLOPE	CALC FIRST COST	UNIT 100	R2
AIRFRAME	.974	3.016	2.530	.077
AIRFRAME & ENGINE	1.039	3.065	3.944	.078
TOTAL FLYAWAY	1.050	3.440	4.766	.159

## AIRFRAME

FY	PLOT POINT QUANTITY	FISCAL YEAR AVERAGE COST (ACTUAL, \$M)	FISCAL YEAR AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
53	20	2.834	2.691	.143	5.05
53	62	2.242	2.577	-.335	14.94
54	76	2.624	2.556	.068	2.59
55	96	2.627	2.534	.093	3.54
55	112	2.711	2.518	.193	7.12
56	117	2.142	2.514	-.372	17.37
56	122	2.720	2.510	.210	7.72
57	136	2.434	2.500	-.066	2.71
59	161	2.518	2.484	.034	1.35
60	187	2.582	2.470	.112	4.34

## AIRFRAME &amp; ENGINE

FY	PLOT POINT QUANTITY	FISCAL YEAR AVERAGE COST (ACTUAL, \$M)	FISCAL YEAR AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
53	21	3.680	3.618	.062	1.68
53	62	3.089	3.842	-.753	24.38
54	76	4.882	3.887	.995	20.38
55	96	3.784	3.935	-.151	3.99
55	112	3.868	3.970	-.102	2.64
56	117	4.014	3.979	.035	.87
56	122	4.592	3.988	.604	13.15
57	136	3.768	4.012	-.244	6.48
59	161	3.935	4.049	-.114	2.90
60	187	4.002	4.082	-.080	2.00

## TOTAL FLYAWAY

FY	PLOT POINT QUANTITY	FISCAL YEAR AVERAGE COST (ACTUAL, \$M)	FISCAL YEAR AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
53	21	4.362	4.264	.098	2.25
53	62	3.774	4.606	-.832	22.05
54	76	5.646	4.676	.970	17.18
55	96	4.612	4.751	-.139	3.01
55	112	4.772	4.806	-.034	.71
56	117	4.808	4.820	-.012	.25
56	122	5.424	4.835	.589	10.86
57	136	4.566	4.871	-.305	6.68
59	161	4.884	4.930	-.046	.94
60	187	4.913	4.982	-.069	1.40

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## CUMULATIVE AVERAGE COST CURVES

	CALC SLOPE	CALC FIRST COST	CAC(100)	R2
AIRFRAME	.961	3.473	2.670	.823
AIRFRAME & ENGINE	1.029	3.057	3.702	.593
TOTAL FLYAWAY	1.039	3.430	4.424	.749

## AIRFRAME

FY	CUMULATIVE QUANTITY	CUMULATIVE AVERAGE COST (ACTUAL, \$M)	CUMULATIVE AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
53	52	2.834	2.772	.062	2.19
53	71	2.675	2.723	-.048	1.79
54	81	2.669	2.703	-.034	1.27
55	110	2.658	2.656	.002	.08
55	114	2.660	2.650	.010	.38
56	120	2.634	2.643	-.008	.34
56	124	2.637	2.638	.000	.04
57	148	2.604	2.611	-.006	.27
59	174	2.591	2.587	.004	.15
60	200	2.590	2.567	.023	.89

## AIRFRAME &amp; ENGINE

FY	CUMULATIVE QUANTITY	CUMULATIVE AVERAGE COST (ACTUAL, \$M)	CUMULATIVE AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
53	52	3.680	3.603	.077	2.09
53	71	3.522	3.650	-.128	3.63
54	81	3.690	3.670	.020	.54
55	110	3.715	3.717	-.001	.05
55	114	3.720	3.722	-.001	.05
56	120	3.735	3.730	.005	.13
56	124	3.762	3.735	.027	.72
57	148	3.763	3.763	0.000	0.00
59	174	3.789	3.788	.001	.03
60	200	3.817	3.811	.006	.16

## TOTAL FLYAWAY

FY	CUMULATIVE QUANTITY	CUMULATIVE AVERAGE COST (ACTUAL, \$M)	CUMULATIVE AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
53	52	4.362	4.267	.095	2.18
53	71	4.204	4.341	-.137	3.26
54	81	4.382	4.373	.009	.21
55	110	4.443	4.448	-.004	.11
55	114	4.454	4.456	-.001	.04
56	120	4.472	4.469	.003	.07
56	124	4.503	4.477	.026	.58
57	148	4.513	4.521	-.007	.18
59	174	4.568	4.562	.006	.13
60	200	4.613	4.597	.016	.35

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**PHYSICAL AND PERFORMANCE  
CHARACTERISTICS**

MANUFACTURER:	LOCKHEED
WING (FIXED/ROTARY):	FIXED
CTOL/VSTOL/STOL/OTHER:	CTOL
AIRFRAME PERFORMANCE:	25.07
AIRCRAFT SYSTEM PERFORMANCE:	26.19
ENGINE NUMBER:	T56-A-10W
NUMBER OF ENGINES:	4
SERVICE:	NAVY

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**TOTAL OBLIGATIONAL AUTHORITY  
(MILLIONS OF THEN-YEAR DOLLARS)**

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
60	7	109.617	8.741	1.954	.165	.170	120.647
61	12	54.371	6.467	2.979	.228	.321	64.366
62	42	135.303	19.635	9.787	1.289	.876	166.890
63	48	120.363	22.478	11.244	1.215	.998	158.967
64	48	127.058	24.659	20.185	.972	4.082	176.956

**MILLIONS OF CONSTANT FY81 DOLLARS**

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
60	7	333.791	26.617	5.950	.502	.518	367.378
61	12	165.816	19.722	9.085	.695	.979	196.298
62	42	414.785	60.193	30.003	3.952	2.685	511.619
63	48	364.074	67.992	34.011	3.675	3.019	480.844
64	48	371.406	72.081	59.003	2.841	11.932	517.264
<b>TOTAL</b>	<b>157</b>	<b>1649.873</b>	<b>246.605</b>	<b>138.052</b>	<b>11.666</b>	<b>19.133</b>	<b>2073.402</b>

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FISCAL YEAR LOT AVERAGE COSTS  
(MILLIONS OF CONSTANT FY81 DOLLARS)

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
60	7	47.684	3.802	.850	.072	.074	52.483
61	12	13.818	1.644	.757	.058	.082	16.358
62	42	9.876	1.433	.714	.094	.064	12.181
63	48	7.585	1.416	.709	.077	.063	10.018
64	48	7.738	1.502	1.229	.059	.249	10.776
TOTAL	157	10.509	1.571	.879	.074	.122	13.206

CUMULATIVE AVERAGE COSTS  
(MILLIONS OF CONSTANT FY81 DOLLARS)

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
60	7	47.684	3.802	.850	.072	.074	52.483
61	19	26.295	2.439	.791	.063	.079	29.667
62	61	14.990	1.746	.738	.084	.069	17.628
63	109	11.729	1.601	.725	.081	.066	14.276
64	157	10.509	1.571	.879	.074	.122	13.206

## UNIT COST CURVES

	CALC SLOPE	CALC FIRST COST	UNIT 100	R2
AIRFRAME	.718	63.857	7.083	.904
AIRFRAME & ENGINE	.732	66.884	8.394	.891
TOTAL FLYAWAY	.748	65.434	9.498	.866

## AIRFRAME

FY	PLOT POINT QUANTITY	FISCAL YEAR AVERAGE COST (ACTUAL, \$M)	FISCAL YEAR AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
--	-----	-----	-----	-----	-----
60	3	47.684	37.488	10.196	21.38
61	13	13.818	18.893	-5.075	36.73
62	38	9.876	11.297	-1.421	14.39
63	84	7.585	7.706	-.121	1.60
64	132	7.738	6.194	1.544	19.95

## AIRFRAME &amp; ENGINE

FY	PLOT POINT QUANTITY	FISCAL YEAR AVERAGE COST (ACTUAL, \$M)	FISCAL YEAR AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
--	-----	-----	-----	-----	-----
60	3	51.487	40.348	11.139	21.63
61	13	15.462	21.181	-5.719	36.99
62	38	11.309	13.034	-1.725	15.25
63	84	9.001	9.088	-.087	.97
64	132	9.239	7.396	1.843	19.95

## TOTAL FLYAWAY

FY	PLOT POINT QUANTITY	FISCAL YEAR AVERAGE COST (ACTUAL, \$M)	FISCAL YEAR AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
--	-----	-----	-----	-----	-----
60	3	52.483	40.775	11.708	22.31
61	13	16.358	22.449	-6.091	37.24
62	38	12.181	14.290	-2.109	17.31
63	84	10.018	10.224	-.206	2.06
64	132	10.776	8.442	2.334	21.66

## CUMULATIVE AVERAGE COST CURVES

	CALC SLOPE	CALC FIRST COST	CAC(100)	R2
AIRFRAME	.713	116.959	12.348	.993
AIRFRAME & ENGINE	.725	120.958	14.002	.991
TOTAL FLYAWAY	.733	117.758	15.020	.987

## AIRFRAME

FY	CUMULATIVE QUANTITY	CUMULATIVE AVERAGE COST (ACTUAL, \$M)	CUMULATIVE AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
60	7	47.684	45.232	2.452	5.14
61	19	26.295	27.780	-1.485	5.65
62	61	14.990	15.718	-.728	4.86
63	109	11.729	11.839	-.110	.94
64	157	10.509	9.907	.602	5.73

## AIRFRAME &amp; ENGINE

FY	CUMULATIVE QUANTITY	CUMULATIVE AVERAGE COST (ACTUAL, \$M)	CUMULATIVE AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
60	7	51.487	48.634	2.853	5.54
61	19	28.734	30.471	-1.737	6.05
62	61	16.736	17.648	-.912	5.45
63	109	13.330	13.448	-.118	.89
64	157	12.079	11.336	.743	6.15

## TOTAL FLYAWAY

FY	CUMULATIVE QUANTITY	CUMULATIVE AVERAGE COST (ACTUAL, \$M)	CUMULATIVE AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
60	7	52.483	49.328	3.155	6.01
61	19	29.667	31.563	-1.896	6.39
62	61	17.628	18.735	-1.107	6.28
63	109	14.276	14.452	-.176	1.23
64	157	13.206	12.276	.930	7.04

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**PHYSICAL AND PERFORMANCE  
CHARACTERISTICS**

MANUFACTURER:	LOCKHEED
WING (FIXED/ROTARY):	FIXED
CTOL/VSTOL/STOL/OTHER:	CTOL
AIRFRAME PERFORMANCE:	27.55
AIRCRAFT SYSTEM PERFORMANCE:	29.12
ENGINE NUMBER:	T56-A-14
NUMBER OF ENGINES:	4
SERVICE:	NAVY

**TOTAL OBLIGATIONAL AUTHORITY  
(MILLIONS OF THEN-YEAR DOLLARS)**

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
65	48	113.399	29.647	19.120	1.517	3.797	167.480
66	45	103.692	26.366	21.205	1.719	3.550	156.532
67	32	62.630	20.118	14.162	1.166	2.642	100.718

**MILLIONS OF CONSTANT FY81 DOLLARS**

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
65	48	312.825	81.785	52.745	4.185	10.474	462.014
66	45	270.031	68.661	55.221	4.477	9.245	407.635
67	32	156.068	50.132	35.290	2.906	6.584	250.979
<b>TOTAL</b>	<b>125</b>	<b>738.924</b>	<b>200.578</b>	<b>143.256</b>	<b>11.567</b>	<b>26.303</b>	<b>1120.629</b>

**FISCAL YEAR LOT AVERAGE COSTS  
(MILLIONS OF CONSTANT FY81 DOLLARS)**

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
65	48	6.517	1.704	1.099	.087	.218	9.625
66	45	6.001	1.526	1.227	.099	.205	9.059
67	32	4.877	1.567	1.103	.091	.206	7.843
<b>TOTAL</b>	<b>125</b>	<b>5.911</b>	<b>1.605</b>	<b>1.146</b>	<b>.093</b>	<b>.210</b>	<b>8.965</b>

**CUMULATIVE AVERAGE COSTS  
(MILLIONS OF CONSTANT FY81 DOLLARS)**

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
65	48	6.517	1.704	1.099	.087	.218	9.625
66	93	6.267	1.618	1.161	.093	.212	9.351
67	125	5.911	1.605	1.146	.093	.210	8.965

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## UNIT COST CURVES

	CALC SLOPE	CALC FIRST COST	UNIT 100	R2
AIRFRAME	.910	9.847	5.255	--
AIRFRAME & ENGINE	.921	11.734	6.802	.818
TOTAL FLYAWAY	.934	12.953	8.257	.759

## AIRFRAME

FY	PLOT POINT QUANTITY	FISCAL YEAR AVERAGE COST (ACTUAL, \$M)	FISCAL YEAR AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
65	18	6.517	6.653	-.136	2.09
66	70	6.001	5.521	.480	8.00
67	109	4.877	5.193	-.316	6.48

## AIRFRAME &amp; ENGINE

FY	PLOT POINT QUANTITY	FISCAL YEAR AVERAGE COST (ACTUAL, \$M)	FISCAL YEAR AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
65	18	8.221	8.341	-.120	1.46
66	70	7.527	7.100	.427	5.67
67	109	6.444	6.733	-.289	4.48

## TOTAL FLYAWAY

FY	PLOT POINT QUANTITY	FISCAL YEAR AVERAGE COST (ACTUAL, \$M)	FISCAL YEAR AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
65	18	9.625	9.763	-.138	1.43
66	70	9.059	8.555	.504	5.56
67	109	7.843	8.188	-.345	4.40

## CUMULATIVE AVERAGE COST CURVES

	CALC SLOPE	FIRST COST	CAC(100)	R2
AIRFRAME	.936	9.457	6.113	.894
AIRFRAME & ENGINE	.940	11.628	7.734	.935
TOTAL FLYAWAY	.953	12.628	9.186	.898

## AIRFRAME

FY	CUMULATIVE QUANTITY	CUMULATIVE AVERAGE COST (ACTUAL,\$M)	CUMULATIVE AVERAGE COST (ESTIMATED,\$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
65	48	6.517	6.554	-.037	.57
66	93	6.267	6.155	.112	1.79
67	125	5.911	5.985	-.074	1.25

## AIRFRAME &amp; ENGINE

FY	CUMULATIVE QUANTITY	CUMULATIVE AVERAGE COST (ACTUAL,\$M)	CUMULATIVE AVERAGE COST (ESTIMATED,\$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
65	48	8.221	8.254	-.033	.40
66	93	7.885	7.784	.101	1.28
67	125	7.516	7.583	-.067	.89

## TOTAL FLYAWAY

FY	CUMULATIVE QUANTITY	CUMULATIVE AVERAGE COST (ACTUAL,\$M)	CUMULATIVE AVERAGE COST (ESTIMATED,\$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
65	48	9.625	9.664	-.039	.41
66	93	9.351	9.232	.119	1.27
67	125	8.955	9.045	-.080	.89

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PHYSICAL AND PERFORMANCE  
CHARACTERISTICS

MANUFACTURER:	LOCKHEED
WING (FIXED/ROTARY):	FIXED
CTOL/VSTOL/STOL/OTHER:	CTOL
AIRFRAME PERFORMANCE:	26.95
AIRCRAFT SYSTEM PERFORMANCE:	30.33
ENGINE NUMBER:	T56-A-14
NUMBER OF ENGINES:	4
SERVICE:	NAVY

**TOTAL OBLIGATIONAL AUTHORITY  
(MILLIONS OF THEN-YEAR DOLLARS)**

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
68	24	108.357	16.514	53.517	.831	2.369	181.589
69	23	101.785	16.334	43.396	.395	1.710	167.976
70	23	105.263	17.245	44.458	.324	.891	170.682
71	12	72.057	9.672	28.573	.094	.463	121.651
72	24	102.279	21.616	64.395	.469	1.134	204.132
73	12	56.067	11.799	32.604	.244	.898	106.990
74	12	59.617	12.444	39.600	.374	.901	117.542
75	12	67.263	13.559	49.741	.270	1.105	135.345
76	11	73.316	14.583	46.462	.337	1.052	140.251
77	3	21.412	4.043	11.633	.094	.293	37.476
77	12	86.108	16.421	53.845	.339	.925	162.638
78	14	108.232	21.797	69.498	.422	1.199	242.076
79	12	104.666	18.649	68.854	.384	1.422	202.390
80	12	120.900	20.429	72.080	.553	1.275	215.237
81	12	155.676	25.016	78.173	.706	.644	260.216
82	12	173.992	26.964	93.334	.839	1.623	322.875

**MILLIONS OF CONSTANT FY81 DOLLARS**

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
68	24	260.662	39.726	128.739	1.999	5.699	436.827
69	23	235.069	37.723	100.222	.912	3.949	387.935
70	23	231.908	37.993	97.947	.714	1.963	376.034
71	12	151.063	20.277	59.901	.197	.971	255.034
72	24	202.092	42.711	127.238	.927	2.241	403.343
73	12	97.661	20.552	56.791	.425	1.564	186.361
74	12	98.232	20.504	65.250	.616	1.485	193.676
75	12	103.753	20.915	76.725	.416	1.704	208.769
76	11	105.445	20.974	66.823	.485	1.513	201.713
77	3	27.689	5.228	15.043	.122	.379	48.462
77	12	110.964	21.161	69.388	.437	1.192	209.585
78	14	126.661	25.508	81.332	.494	1.403	283.295
79	12	108.473	19.327	71.359	.398	1.474	209.752
80	12	113.479	19.175	67.655	.519	1.197	202.025
81	12	132.355	21.268	66.462	.600	.548	221.234
82	12	137.695	21.339	73.864	.664	1.284	255.520
<b>TOTAL</b>	<b>230</b>	<b>2243.201</b>	<b>394.382</b>	<b>1224.739</b>	<b>9.925</b>	<b>28.565</b>	<b>4079.567</b>

'7T' = TRANSITION QUARTER DATA

FISCAL YEAR LOT AVERAGE COSTS  
(MILLIONS OF CONSTANT FY81 DOLLARS)

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
68	24	10.861	1.655	5.364	.083	.237	18.201
69	23	10.220	1.640	4.357	.040	.172	16.867
70	23	10.083	1.652	4.259	.031	.085	16.349
71	12	12.589	1.690	4.992	.016	.081	21.253
72	24	8.421	1.780	5.302	.039	.093	16.806
73	12	8.138	1.713	4.733	.035	.130	15.530
74	12	8.186	1.709	5.437	.051	.124	16.140
75	12	8.646	1.743	6.394	.035	.142	17.397
76	11	9.586	1.907	6.075	.044	.138	18.338
77	3	9.230	1.743	5.014	.041	.126	16.154
77	12	9.247	1.763	5.782	.036	.099	17.465
78	14	9.047	1.822	5.809	.035	.100	20.235
79	12	9.039	1.611	5.947	.033	.123	17.479
80	12	9.457	1.598	5.638	.043	.100	16.835
81	12	11.030	1.772	5.539	.050	.046	18.436
82	12	11.475	1.778	6.155	.055	.107	21.293
TOTAL	230	9.753	1.715	5.325	.043	.124	17.737

CUMULATIVE AVERAGE COSTS  
(MILLIONS OF CONSTANT FY81 DOLLARS)

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
68	24	10.861	1.655	5.364	.083	.237	18.201
69	47	10.547	1.648	4.872	.062	.205	17.548
70	70	10.395	1.649	4.670	.052	.166	17.154
71	82	10.716	1.655	4.717	.047	.155	17.754
72	106	10.196	1.683	4.850	.045	.140	17.539
73	118	9.987	1.686	4.838	.044	.139	17.335
74	130	9.82	1.688	4.893	.045	.137	17.225
75	142	9.721	1.693	5.020	.044	.138	17.239
76	153	9.712	1.708	5.096	.044	.138	17.318
77	156	9.702	1.709	5.094	.044	.138	17.296
77	168	9.670	1.713	5.143	.043	.135	17.308
78	182	9.622	1.721	5.195	.043	.132	17.533
79	194	9.586	1.714	5.241	.042	.132	17.530
80	206	9.578	1.708	5.264	.042	.130	17.489
81	218	9.658	1.711	5.279	.042	.125	17.542
82	230	9.753	1.715	5.325	.043	.124	17.737

'7T' = TRANSITION QUARTER DATA

## UNIT COST CURVES

	CALC SLOPE	CALC FIRST COST	UNIT 100	R2
AIRFRAME	.972	11.641	9.659	.069
AIRFRAME & ENGINE	.978	13.174	11.391	.058
TOTAL FLYAWAY	1.008	16.747	17.705	.010

## AIRFRAME

FY	PLOT POINT QUANTITY	FISCAL YEAR AVERAGE COST (ACTUAL, \$M)	FISCAL YEAR AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
68	10	10.861	10.618	.243	2.24
69	35	10.220	10.075	.145	1.42
70	59	10.083	9.870	.213	2.11
71	76	12.589	9.765	2.824	22.43
72	94	8.421	9.682	-1.261	14.97
73	112	8.138	9.613	-1.475	18.12
74	124	8.186	9.574	-1.388	16.96
75	136	8.646	9.538	-.892	10.32
76	148	9.586	9.507	.079	.82
7T	155	9.230	9.489	-.259	2.81
77	162	9.247	9.471	-.224	2.42
78	175	9.047	9.441	-.394	4.36
79	188	9.039	9.414	-.375	4.15
80	200	9.457	9.391	.066	.70
81	212	11.030	9.368	1.662	15.07
82	224	11.475	9.348	2.127	18.54

## AIRFRAME &amp; ENGINE

FY	PLOT POINT QUANTITY	FISCAL YEAR AVERAGE COST (ACTUAL, \$M)	FISCAL YEAR AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
68	10	12.516	12.262	.254	2.03
69	35	11.861	11.771	.090	.76
70	59	11.735	11.585	.150	1.28
71	76	14.278	11.488	2.790	19.54
72	94	10.200	11.413	-1.213	1.89
73	112	9.851	11.349	-1.498	15.21
74	124	9.895	11.313	-1.418	14.33
75	136	10.389	11.280	-.891	8.58
76	148	11.493	11.251	.242	2.11
7T	155	10.972	11.235	-.263	2.40
77	162	11.010	11.218	-.208	1.89
78	175	10.869	11.191	-.322	2.96
79	188	10.650	11.166	-.516	4.85
80	200	11.054	11.144	-.090	.81
81	212	12.802	11.124	1.678	13.11
82	224	13.253	11.104	2.149	16.22

'7T' = TRANSITION QUARTER DATA

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TOTAL FLYAWAY

FY	PLOT POINT QUANTITY	FISCAL YEAR (ACTUAL, \$M)	FISCAL YEAR (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	P-3C PERCENT DIFFERENCE
68	10	18.201	17.216	.985	5.41
69	35	16.867	17.484	-.617	3.66
70	59	16.349	17.591	-1.242	7.60
71	76	21.253	17.647	3.606	16.97
72	94	16.806	17.692	-.886	5.27
73	112	15.530	17.730	-2.200	14.17
74	124	16.140	17.751	-1.611	9.98
75	136	17.397	17.771	-.374	2.15
76	148	18.338	17.788	.550	3.00
7T	155	16.154	17.798	-1.644	10.18
77	162	17.465	17.809	-.344	1.97
78	175	20.235	17.825	2.410	11.91
79	188	17.479	17.841	-.362	2.07
80	200	16.835	17.854	-1.019	6.05
81	212	18.436	17.866	.570	3.09
82	224	21.293	17.878	3.415	16.04

'7T' = TRANSITION QUARTER DATA

## CUMULATIVE AVERAGE COST CURVES

	CALC SLOPE	CALC FIRST COST	CAC(100)	R2
AIRFRAME	.957	13.521	10.085	.849
AIRFRAME & ENGINE	.965	14.919	11.771	.846
TOTAL FLYAWAY	.992	18.427	17.520	.208

## AIRFRAME

FY	CUMULATIVE QUANTITY	CUMULATIVE AVERAGE COST (ACTUAL, \$M)	CUMULATIVE AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
68	24	10.861	11.044	-.183	1.68
69	47	10.547	10.582	-.035	.33
70	70	10.395	10.317	.078	.75
71	82	10.716	10.213	.503	4.69
72	106	10.196	10.048	.148	1.45
73	118	9.987	9.979	.008	.08
74	130	9.821	9.918	-.097	.99
75	142	9.721	9.862	-.141	1.45
76	153	9.712	9.815	-.103	1.06
77	156	9.702	9.803	-.101	1.04
78	168	9.670	9.757	-.087	.90
79	182	9.622	9.708	-.086	.89
80	194	9.586	9.668	-.082	.86
81	206	9.578	9.631	-.053	.55
82	218	9.658	9.597	.061	.63
	230	9.753	9.564	.189	1.94

## AIRFRAME &amp; ENGINE

FY	CUMULATIVE QUANTITY	CUMULATIVE AVERAGE COST (ACTUAL, \$M)	CUMULATIVE AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
68	24	12.516	12.668	-.152	1.21
69	47	12.195	12.238	-.043	.35
70	70	12.044	11.989	.055	.46
71	82	12.371	11.892	.479	3.87
72	106	11.879	11.736	.143	1.20
73	118	11.673	11.671	.002	.02
74	130	11.509	11.613	-.104	.90
75	142	11.414	11.561	-.147	1.29
76	153	11.420	11.516	-.096	.84
77	156	11.411	11.505	-.094	.82
78	168	11.383	11.461	-.078	.69
79	182	11.343	11.414	-.071	.63
80	194	11.300	11.376	-.076	.67
81	206	11.286	11.341	-.055	.49
82	218	11.369	11.308	.061	.54
	230	11.468	11.277	.191	1.67

'7T' = TRANSITION QUARTER DATA

## TOTAL FLYAWAY

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FY	CUMULATIVE QUANTITY	CUMULATIVE AVERAGE COST (ACTUAL, \$M)	CUMULATIVE AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
68	24	18.201	17.796	.405	2.23
69	47	17.548	17.665	-.117	.67
70	70	17.154	17.588	-.434	2.53
71	82	17.754	17.558	.196	1.10
72	106	17.539	17.508	.031	.18
73	118	17.335	17.488	-.153	.88
74	130	17.225	17.469	-.244	1.42
75	142	17.239	17.452	-.213	1.24
76	153	17.318	17.438	-.120	.69
7T	156	17.296	17.434	-.138	.80
77	168	17.308	17.420	-.112	.65
78	182	17.533	17.405	.128	.73
79	194	17.530	17.393	.137	.78
80	206	17.489	17.381	.108	.62
81	218	17.542	17.370	.172	.8
82	230	17.737	17.360	.377	2.13

'7T' = TRANSITION QUARTER DATA

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PHYSICAL AND PERFORMANCE  
CHARACTERISTICS

MANUFACTURER:	LOCKHEED
WING (FIXED/ROTARY):	FIXED
CTOL/VSTOL/STOL/OTHER:	CTOL
AIRFRAME PERFORMANCE:	15.78
AIRCRAFT SYSTEM PERFORMANCE:	20.21
ENGINE NUMBER:	TF34-GE-2
NUMBER OF ENGINES:	2
SERVICE:	NAVY

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**TOTAL OBLIGATIONAL AUTHORITY  
(MILLIONS OF THEN-YEAR DOLLARS)**

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
--	--	-----	-----	-----	-----	-----	-----
72	13	180.382	23.333	12.901	.493	.338	260.712
73	35	315.959	38.271	23.759	.962	1.113	380.065
74	45	341.325	45.021	19.543	1.132	1.204	411.885
75	45	350.184	47.663	20.228	.961	1.612	423.810
76	41	367.202	48.241	17.794	1.131	1.753	436.121

**MILLIONS OF CONSTANT FY81 DOLLARS**

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
--	--	-----	-----	-----	-----	-----	-----
72	13	356.416	46.104	25.491	.974	.668	515.139
73	35	550.355	66.663	41.385	1.676	1.939	662.019
74	45	562.407	74.182	32.201	1.865	1.984	678.670
75	45	540.157	73.520	31.202	1.482	2.487	653.725
76	41	528.120	69.382	25.592	1.627	2.521	627.241
TOTAL	179	2537.456	329.850	155.871	7.624	9.598	3136.795

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FISCAL YEAR LOT AVERAGE COSTS  
(MILLIONS OF CONSTANT FY81 DOLLARS)

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
72	13	27.417	3.546	1.961	.075	.051	39.626
73	35	15.724	1.905	1.182	.048	.055	18.915
74	45	12.498	1.648	.716	.041	.044	15.082
75	45	12.003	1.634	.693	.033	.055	14.527
76	41	12.881	1.692	.624	.040	.061	15.299
<b>TOTAL</b>	<b>179</b>	<b>14.176</b>	<b>1.843</b>	<b>.871</b>	<b>.043</b>	<b>.054</b>	<b>17.524</b>

CUMULATIVE AVERAGE COSTS  
(MILLIONS OF CONSTANT FY81 DOLLARS)

FY	QTY	AIRFRAME	ENGINE	ELECT	ARMAMENT	OTHER	TOTAL FLYAWAY
72	13	27.417	3.546	1.961	.075	.051	39.626
73	48	18.891	2.349	1.393	.055	.054	24.524
74	93	15.798	2.010	1.065	.049	.049	19.955
75	138	14.560	1.887	.944	.043	.051	18.185
76	179	14.176	1.843	.871	.043	.054	17.524

## UNIT COST CURVES

	CALC SLOPE	CALC FIRST COST	UNIT 100	R2
AIRFRAME	.846	38.342	12.631	.919
AIRFRAME & ENGINE	.847	43.064	14.291	.916
TOTAL FLYAWAY	.816	58.457	15.088	.911

## AIRFRAME

FY	PLOT POINT QUANTITY	FISCAL YEAR AVERAGE COST (ACTUAL, \$M)	FISCAL YEAR AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
--	-----	-----	-----	-----	-----
72	5	27.417	25.659	1.758	6.41
73	29	15.724	17.056	-1.332	8.47
74	69	12.498	13.790	-1.292	10.34
75	115	12.003	12.211	-.208	1.73
76	158	12.881	11.305	1.576	12.24

## AIRFRAME &amp; ENGINE

FY	PLOT POINT QUANTITY	FISCAL YEAR AVERAGE COST (ACTUAL, \$M)	FISCAL YEAR AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
--	-----	-----	-----	-----	-----
72	5	30.963	28.892	2.071	6.69
73	29	17.629	19.259	-1.630	9.25
74	69	14.146	15.593	-1.447	10.23
75	115	13.637	13.818	-.181	1.33
76	158	14.573	12.800	1.773	12.17

## TOTAL FLYAWAY

FY	PLOT POINT QUANTITY	FISCAL YEAR AVERAGE COST (ACTUAL, \$M)	FISCAL YEAR AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
--	-----	-----	-----	-----	-----
72	5	39.626	35.985	3.641	9.19
73	29	18.915	21.785	-2.870	15.17
74	69	15.082	16.797	-1.715	11.37
75	115	14.527	14.478	.049	.34
76	158	15.299	13.178	2.121	13.86

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## CUMULATIVE AVERAGE COST CURVES

	CALC SLOPE	CALC FIRST COST	CAC(100)	R2
AIRFRAME	.836	52.322	15.919	--
AIRFRAME & ENGINE	.836	58.931	17.961	.990
TOTAL FLYAWAY	.802	87.118	20.164	.988

## AIRFRAME

FY	CUMULATIVE QUANTITY	CUMULATIVE AVERAGE COST (ACTUAL, \$M)	CUMULATIVE AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
72	13	27.417	26.969	.448	1.63
73	48	18.891	19.243	-.352	1.86
74	93	15.798	16.221	-.423	2.68
75	138	14.560	14.648	-.088	.60
76	179	14.176	13.696	.480	3.39

## AIRFRAME &amp; ENGINE

FY	CUMULATIVE QUANTITY	CUMULATIVE AVERAGE COST (ACTUAL, \$M)	CUMULATIVE AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
72	13	30.963	30.405	.558	1.80
73	48	21.240	21.706	-.466	2.19
74	93	17.808	18.301	-.493	2.77
75	138	16.448	16.529	-.081	.49
76	179	16.018	15.456	.562	3.51

## TOTAL FLYAWAY

FY	CUMULATIVE QUANTITY	CUMULATIVE AVERAGE COST (ACTUAL, \$M)	CUMULATIVE AVERAGE COST (ESTIMATED, \$M)	ACTUAL MINUS ESTIMATED	PERCENT DIFFERENCE
72	13	39.626	38.560	1.066	2.69
73	48	24.524	25.461	-.937	3.82
74	93	19.955	20.635	-.680	3.41
75	138	18.185	18.203	-.018	.10
76	179	17.524	16.759	.765	4.37

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**APPENDIX A.**

**ESCALATION INDEX TABLES**

## I. INTRODUCTION

This appendix contains tables of inflation rates, escalation factors and composite escalation/outlay factors for the following Service appropriation accounts:

- Aircraft Procurement, Army (APA),
- Aircraft Procurement, Navy (APN), and
- Aircraft Procurement, Air Force (APAF).

This introduction provides an overview of the escalation indices. Section II provides a more detailed description of the indices and how they are constructed. Section III provides detailed instructions for use of the indices.

At the end of this introduction, the individual appropriation tables are presented accompanied by the outlay profiles from which they were derived (i.e., Exhibits A-1 through A-6). US government fiscal years 1945 through 1999 are covered in the tables, including the 1976 transition quarter 197T. The tables are based on Fiscal Year (FY) 1981 and all index numbers are related to FY81 constant dollars. The computer program used to generate these tables can generate equivalent tables for any base year from 1945 through 2014 to meet special requirements. The composite indices of these three tables were used to normalize aircraft procurement costs of the respective Services into FY81 constant dollars.

The inflation rates from 1945 through 1981 represent historical data for major commodity procurement as compiled by

the Office of the Assistant Secretary of Defense (Comptroller). Inflation rates from 1982 onward represent current DoD estimates.

The outlay profiles for Army, Navy and Air Force aircraft procurement appear in Exhibits A-4, A-5, and A-6, respectively. The outlay profiles for the Army and Air Force represent historical data back to 1974 while the Navy profiles go back to 1972. The earliest available profile for each Service appropriation was used for all prior years of that appropriation. Future years profiles from 1982 onward are DoD estimates. Since the profiles extend for four years beyond the budget year, portions of the 1978 through 1981 profiles must necessarily also be DoD estimates.

The tables for APA, APN and APAF reflect the latest available DoD Deflators (Outlays) and the appropriate Service appropriation outlay profiles. The tables reflect:

- Department of Defense Deflators (Outlays), 31 January 1983 (Historical deflators from 1945 to 1980);
- Outlay Rate File, Navy Appropriations, January 1980 (Historical profiles for Navy appropriations); and
- Report 3, Cumulative Expenditures as Percentage of Ultimate Expenditure Estimate, 16 February 1982 (Historical and estimated profiles for all Service appropriations from 1974 onward).

APA ESCALATION INDICES  
BASE: MID-FY 1981

FISCAL YEAR	INFLATION RATE-%	ESCALATION INDEX	COMPOSITE ESC/OUTLAY
1945	0.00	16.73	20.37
1946	8.24	18.11	23.78
1947	4.02	18.84	26.59
1948	34.67	25.37	27.42
1949	9.44	27.77	28.26
1950	-4.78	26.44	29.00
1951	9.79	29.03	29.11
1952	.40	29.15	29.24
1953	-.80	28.91	30.09
1954	-1.62	28.45	31.29
1955	6.68	30.34	32.64
1956	1.93	30.93	33.34
1957	8.71	33.62	33.10
1958	-.08	33.60	32.76
1959	-1.59	33.06	32.77
1960	-2.05	32.39	32.83
1961	1.89	33.00	32.63
1962	.04	33.01	32.82
1963	-3.27	31.93	33.68
1964	1.92	32.54	35.40
1965	1.04	32.88	37.57
1966	7.87	35.47	39.46
1967	6.42	37.75	40.98
1968	5.10	39.67	42.57
1969	2.66	40.73	44.51
1970	3.90	42.32	46.70
1971	4.64	44.28	49.33
1972	4.20	46.14	53.09
1973	4.85	48.38	58.02
1974	8.45	52.47	62.86
1975	11.38	58.44	66.98
1976	9.15	63.79	71.10
1977	3.16	65.80	76.67
1977	4.35	68.67	78.73
1978	7.14	73.57	87.05
1979	8.95	80.16	96.53
1980	11.80	89.62	107.62
1981	11.59	100.00	119.60
1982	14.30	114.30	128.40
1983	6.50	121.73	136.34
1984	6.89	130.12	144.80
1985	6.37	138.41	153.45
1986	6.11	146.87	162.45
1987	5.85	155.46	171.95
1988	5.85	164.55	182.01
1989	5.85	174.18	192.66
1990	5.85	184.37	203.93
1991	5.85	195.16	215.86
1992	5.85	206.57	228.49
1993	5.85	218.66	241.85
1994	5.85	231.45	256.00
1995	5.85	244.99	270.98
1996	5.85	259.32	286.83
1997	5.85	274.49	303.61
1998	5.85	290.55	321.37
1999	5.85	307.55	340.17

Exhibit A-1. AIRCRAFT PROCUREMENT, ARMY (APA) .  
ESCALATION

APN ESCALATION INDICES  
BASE: MID-FY 1981

FISCAL YEAR	INFLATION RATE-\$	ESCALATION INDEX	COMPOSITE ESC/OUTLAY
1945	0.00	16.73	18.96
1946	8.24	18.11	21.48
1947	4.02	18.84	25.25
1948	34.67	25.37	27.16
1949	9.44	27.77	27.61
1950	-4.78	26.44	28.68
1951	9.79	29.03	29.13
1952	.40	29.15	29.12
1953	-.80	28.91	29.46
1954	-1.62	28.45	30.53
1955	6.68	30.34	31.79
1956	1.93	30.93	33.11
1957	8.71	33.62	33.36
1958	-.08	33.60	32.92
1959	-1.59	33.06	32.69
1960	-2.05	32.39	32.84
1961	1.89	33.00	32.79
1962	.04	33.01	32.62
1963	-3.27	31.93	33.06
1964	1.92	32.54	34.21
1965	1.04	32.88	36.25
1966	7.87	35.47	38.40
1967	6.42	37.75	40.13
1968	5.10	39.67	41.57
1969	2.66	40.73	43.30
1970	3.90	42.32	45.39
1971	4.64	44.28	47.70
1972	4.20	46.14	50.61
1973	4.85	48.38	57.41
1974	8.45	52.47	60.69
1975	11.38	58.44	64.83
1976	9.15	63.79	69.53
1977	3.16	65.80	77.33
1978	4.35	68.67	77.60
1979	7.14	73.57	85.45
1980	8.95	80.16	96.49
1981	11.80	89.62	106.54
1982	11.59	100.00	117.62
1983	14.30	114.30	126.36
1984	6.50	121.73	134.62
1985	6.89	130.12	143.06
1986	6.37	138.41	151.68
1987	6.11	146.87	160.60
1988	5.85	155.46	169.99
1989	5.85	164.55	179.94
1990	5.85	174.18	190.47
1991	5.85	184.37	201.61
1992	5.85	195.16	213.40
1993	5.85	206.57	225.89
1994	5.85	218.66	239.10
1995	5.85	231.45	253.09
1996	5.85	244.99	267.89
1997	5.85	259.32	283.57
1998	5.85	274.49	300.15
1999	5.85	290.55	317.71
		307.55	336.30

Exhibit A-2. AIRCRAFT PROCUREMENT, NAVY (APN)  
ESCALATION INDEX

APAF ESCALATION INDICES  
BASE: MID-FY 1981

FISCAL YEAR	INFLATION RATE-%	ESCALATION INDEX	COMPOSITE ESC/OUTLAY
1945	0.00	16.73	19.49
1946	8.24	18.11	22.36
1947	4.02	18.84	25.99
1948	34.67	25.37	27.21
1949	9.44	27.77	27.90
1950	-4.78	26.44	28.80
1951	9.79	29.03	29.19
1952	.40	29.15	29.09
1953	-.80	28.91	29.80
1954	-1.62	28.45	30.80
1955	6.68	30.34	32.17
1956	1.93	30.93	33.21
1957	8.71	33.62	33.28
1958	-.08	33.60	32.84
1959	-1.59	33.06	32.68
1960	-2.05	32.39	32.89
1961	1.89	33.00	32.68
1962	.04	33.01	32.74
1963	-3.27	31.93	33.30
1964	1.92	32.54	34.72
1965	1.04	32.88	36.81
1966	7.87	35.47	38.87
1967	6.42	37.75	40.51
1968	5.10	39.67	42.00
1969	2.66	40.73	43.82
1970	3.90	42.32	45.97
1971	4.64	44.28	48.41
1972	4.20	46.14	51.68
1973	4.85	48.38	56.17
1974	8.45	52.47	61.32
1975	11.38	58.44	66.06
1976	9.15	63.79	70.84
1977	3.16	65.80	74.54
1977	4.35	68.67	79.00
1978	7.14	73.57	86.77
1979	8.95	80.16	97.33
1980	11.80	89.62	106.30
1981	11.59	100.00	118.20
1982	14.30	114.30	126.32
1983	6.50	121.73	134.64
1984	6.89	130.12	143.08
1985	6.37	138.41	151.69
1986	6.11	146.87	160.59
1987	5.85	155.46	169.99
1988	5.85	164.55	179.93
1989	5.85	174.18	190.46
1990	5.85	184.37	201.60
1991	5.85	195.16	213.39
1992	5.85	206.57	225.87
1993	5.85	218.66	239.09
1994	5.85	231.45	253.07
1995	5.85	244.99	267.88
1996	5.85	259.32	283.55
1997	5.85	274.49	300.14
1998	5.85	290.55	317.70
1999	5.85	307.55	336.28

Exhibit A-3. AIRCRAFT PROCUREMENT, AIR FORCE (APAF)  
ESCALATION INDEX

APA  
OUTLAY PROFILE FACTORS

FISCAL YEAR	OUTLAY YEAR 1	OUTLAY YEAR 2	OUTLAY YEAR 3	OUTLAY YEAR 4	OUTLAY YEAR 5	OUTLAY YEAR 6	OUTLAY YEAR 7
1974	.0399	.2912	.4195	.1683	.0397	.0196	.0218
1975	.0532	.3896	.0980	.3409	.0769	.0214	.0200
1976	.0800	.0628	.5547	.1743	.0681	.0493	.0108
1977	.0011	.0878	.5880	.2147	.0711	.0373	.0000
1977	.0639	.4799	.3189	.0761	.0239	.0373	.0000
1978	.0518	.4510	.3623	.0751	.0225	.0373	.0000
1979	.0714	.4358	.3732	.0598	.0225	.0373	.0000
1980	.1055	.4040	.3709	.0598	.0225	.0373	.0000
1981	.0582	.4040	.3800	.0980	.0225	.0373	.0000
1982	.0508	.4040	.3900	.0980	.0225	.0373	.0000
1983	.0582	.3966	.3874	.0980	.0225	.0373	.0000

- Outlay profiles compiled from following sources:  
 45-73 FY74 Profile used for all prior years  
 74-99 'Report 3' dated 16 Feb 82

Exhibit A-4. APA OUTLAY PROFILES

APN  
OUTLAY PROFILE FACTORS

FISCAL YEAR	OUTLAY YEAR 1	OUTLAY YEAR 2	OUTLAY YEAR 3	OUTLAY YEAR 4	OUTLAY YEAR 5	OUTLAY YEAR 6	OUTLAY YEAR 7
1972	.1603	.4610	.2717	.0474	.0195	.0401	.0000
1973	.1100	.4100	.0800	.2100	.1900	.0000	.0000
1974	.0937	.5145	.2850	.0241	.0506	.0165	.0156
1975	.1493	.5448	.0946	.1487	.0342	.0156	.0128
1976	.1464	.1083	.5098	.1677	.0484	.0094	.0100
1977	.0096	.3107	.4930	.1353	.0474	.0400	.0000
1977	.1576	.4299	.2729	.0871	.0375	.0150	.0000
1978	.1364	.4384	.2954	.0798	.0350	.0150	.0000
1979	.1295	.4001	.2804	.1400	.0350	.0150	.0000
1980	.1363	.4406	.2631	.0950	.0450	.0200	.0000
1981	.1311	.4458	.2631	.0950	.0450	.0200	.0000

1. Outlay profiles compiled from following sources:
  - 45-71 FY72 Profile used for all prior years
  - 72-74 Historical 'Outlay Rate File' dated 1 Jan 80 provided by OPNAV-902F
  - 75-99 'Report 3' dated 16 Feb 82
2. Adjustments made in final year of some year's historical profiles so that total equals 1.0000.

Exhibit A-5. APN OUTLAY PROFILES

APAF  
OUTLAY PROFILE FACTORS

FISCAL YEAR	OUTLAY YEAR 1	OUTLAY YEAR 2	OUTLAY YEAR 3	OUTLAY YEAR 4	OUTLAY YEAR 5	OUTLAY YEAR 6	OUTLAY YEAR 7
1974	.1020	.3898	.3676	.0429	.0713	.0137	.0127
1975	.0836	.4685	.1282	.2302	.0528	.0134	.0233
1976	.0926	.0706	.5132	.2248	.0636	.0101	.0251
1977	.0080	.2064	.6106	.1088	.0405	.0257	.0000
1977	.1207	.4510	.2382	.1140	.0333	.0428	.0000
1978	.0715	.4671	.3237	.0686	.0291	.0400	.0000
1979	.0775	.4200	.3387	.0892	.0346	.0400	.0000
1980	.1080	.4918	.3004	.0252	.0346	.0400	.0000
1981	.0823	.4849	.3256	.0326	.0346	.0400	.0000
1982	.0850	.5150	.2928	.0326	.0346	.0400	.0000

- Outlay profiles compiled from following sources:  
 45-73 FY74 Profile used for all prior years  
 74-99 'Report 3' dated 16 Feb 82

Exhibit A-6. APAF OUTLAY PROFILES

## II. DESCRIPTION OF THE INDICES

This section describes the escalation and composite escalation/outlay tables. The sources of data for the tables are described. The method of using the inflation indices and corresponding outlay profiles to arrive at composite escalation/outlay indices is explained.

### A. INFLATION RATES

The escalation indices contained in this appendix have been constructed using DoD Deflators (Outlays), which is a generally accepted source for use in DoD cost analysis and estimating. These deflators are updated periodically by the OASD (Comptroller). Current editions of these deflators were obtained directly from that office to assure the proper linkage of currently estimated future inflation rates with past historical data.

The inflation rates for each fiscal year in the indices represent the percent inflation as of mid-fiscal year compared to the previous mid-fiscal year. The escalation factors represent the price level at mid-fiscal year compared to the price level of the selected base mid-fiscal year, expressed as a percentage.

### B. OUTLAY RATES

The outlay rates used in computing the composite escalation/outlay factors are determined from data compiled on historical appropriation outlays. To this are added estimates of future

appropriation outlays to arrive at annual outlay profiles. The factors represent the fraction of a given year's appropriation authorization that was, or is expected to be, paid out (outlaid) in the budget and following fiscal years. The earliest available outlay profile for a given appropriation is used for all prior years. This approximation is necessary since historical data are not available for the earlier years.

C. COMPOSITE INDICES

Outlay profiles for future years are based on the premise that appropriations are not paid out (outlaid) in a single year, but exhibit an outlay profile over a period of years that is characteristic of the appropriation. The estimated profiles for future years are based on historical patterns. Adjustments may be made for current procurement practices and consistency with overall government policy. In order to assure that an appropriation is large enough to cover escalation, it is assumed that the funds will be outlaid in accordance with the profile and necessary inflation amounts are added for each year of the profile. The sum of all amounts over the years of the profile becomes the budget dollars for that budget year. The composite escalation/outlay factor does this with a single calculation. By using the composite escalation/outlay factors, base-year dollar amounts are converted to budget dollars (i.e., adjusted to account for inflation up to the budget year, and for each year of the outlay profile thereafter). Conversely,

budget dollars for future years can be deflated to desired base-year dollars by using the composite escalation/outlay factors.

Past appropriations were outlaid over a period of years and the profiles have been calculated. The annual inflation rates have also been determined, permitting the calculation of composite escalation/outlay factors. The composite escalation/outlay factors for prior years enable the analyst to strip the effects of inflation from a past appropriation, converting it from budget dollars to base-year dollars.

The tables displayed in Exhibits A-1 through A-3 permit the cost analyst to convert back and forth between FY81 constant dollars and budget dollars in any desired year. By multiplying by the ratio between base-year factors, the conversions can be extended to any other year included in the tables.

D. FISCAL YEARS

Prior to July 1976, US Government fiscal years began on 1 July and ended the following 30 June. The fiscal year began six months prior to the corresponding calendar year. The 3-month period 1 July 1976 to 30 September 1976 is referred to as the transition quarter. It is variously designated as 1976TQ, 1976T or, as in this report, 197T. Government fiscal years now begin on 1 October (three months prior to the corresponding calendar year) and end the following 30 September.

E. TRANSITION QUARTER

The inflation rates, escalation factors and composite escalation/outlay factors are all based on mid-fiscal year values. In the case of the transition quarter, 197T, they are based on mid-quarter. Since no time factor is involved in calculation of inflation rates, no adjustment is needed for the 197T and 1977 inflation rates that appear in the tables. To annualize these rates, however, both must be adjusted by a factor of 1.6 (the ratio of 12 months to 7 1/2 months).

### III. INSTRUCTIONS

Detailed instructions for use of the escalation and escalation/outlay tables are given in this section.

#### A. USE OF TABLES

All escalation and composite escalation/outlay factors are expressed in percentages. To use the factors in converting dollar amounts by multiplying or dividing requires that they be in decimal form. For example, the base year escalation index of 100.00 should be expressed as 1.0000. Composite factors of 40.32 and 151.35 should be expressed as 0.4032 and 1.5135 respectively.

In making any conversions, locate the table for the appropriation under study. Conversions are made as follows:

- To Convert Base-Year Dollars to Constant Dollars
  - multiply the base-year dollars by the escalation index factor for the year into which the dollars are to be converted.
- To Convert Constant Dollars to Base-Year Dollars
  - divide the dollars by the escalation index factor for the year in which the constant dollars are expressed.
- To Convert Base-Year Dollars to Budget Dollars
  - multiply the base-year dollars by the composite escalation/outlay factor for the desired budget year.
- To Convert Budget Dollars to Base-Year Dollars
  - divide the budget dollars by the composite escalation/outlay factor for the budget year.

B. OTHER BASE-YEARS

It may be necessary to make conversions into base years other than FY81. In such cases, use the following procedure:

- Select the table for the desired appropriation.
- Determine the base-year conversion factor by dividing the escalation index for FY81 by the escalation index for the desired base year.
- Multiply all escalation and composite escalation/outlay factors taken from the table by the base-year conversion factor.

**APPENDIX B.**

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